STATUS OF ALL TSEP PROJECTS
APPROVED BY THE LEGISLATURE

(Project information last updated December 22, 2006)

Projects Approved by the 1993 Legislature

Thirty-two applications requesting $11,627,000 in TSEP funds were submitted for the 1995 biennium. The 1993 Legislature approved 24 projects totaling $4,134,458 in TSEP funds. **All of the 1993 projects have been completed.**

NAME OF RECIPIENT	**Anaconda-Deer Lodge County**	
PROJECT TYPE	Water System Improvements	
FUNDING	$ 350,000	TSEP Grant
	$4,725,000	Revenue Bonds
	$ 375,000	CDBG Grant
TOTAL	$5,450,000	

PROJECT SUMMARY: Anaconda-Deer Lodge was required to improve its water system to comply with state and federal water quality standards. The City was under a DEQ boil order. *The project consisted of construction of a water storage tank and related transmission piping and equipment, renovation of the system's three existing wells, construction of three new wells, improvement of the pumping facilities, and improvements to the distribution system, primarily focusing on main replacement under Anaconda's two major arterial streets in conjunction with a MDT pavement renewal project.*

NAME OF RECIPIENT	**Beaverhead County**	
PROJECT TYPE	Solid Waste	
FUNDING	$160,000	TSEP Grant
	$160,000	Local Funds
TOTAL	$320,000	

PROJECT SUMMARY: The landfill was located directly above City of Dillon's water supply and the Beaverhead River. The situation was considered a significant threat to public health, and there was a DEQ mandate to close and reclaim the site. *The project consisted of covering the old site, contouring and building diversion ditches for rainfall and runoff, reseeding the area with native vegetation, and implementing an on-going, 30-year monitoring program.*

NAME OF RECIPIENT	**Butte-Silver Bow County**	
PROJECT TYPE	Water System Improvements	
FUNDING	$ 300,000	TSEP Grant
	$24,406,000	Revenue Bonds
TOTAL	$24,706,000	

PROJECT SUMMARY: Butte-Silver Bow was required to improve its water system to comply with state and federal water quality standards. *The project consisted of various improvements to the water transmission and distribution system, various water storage improvements including the construction of a new ten million gallon storage tank and a new reservoir, and the construction of two new water treatment plants.*

NAME OF RECIPIENT	**Carbon County**	
PROJECT TYPE	Bridge	
FUNDING	$ 25,000	TSEP Grant

	$ 70,500	Local Funds
	$ 45,100	U.S. Forest Service Grant
TOTAL	$140,600	

PROJECT SUMMARY: The Sand Ford Bridge provides access to the East Rosebud Canyon area south of Roscoe. The MDT considered the bridge an urgent and serious safety problem because it violated state bridge standards and is used by 200 vehicles per day during summer months. *The project consisted of the construction of a new bridge complete with abutments and approaches.*

NAME OF RECIPIENT	**Circle, Town of**	
PROJECT TYPE	Water System Improvements	
FUNDING	$ 370,000	TSEP Grant
	$ 300,000	CDBG Grant
	$ 872,600	RD Loan
	$1,300,000	RD Grant
TOTAL	$2,842,600	

PROJECT SUMMARY: Circle had received a noncompliance order from DEQ because of health risks posed by excessive fluorides and sodium in water supply, in violation of federal and state water quality standards. *The project consisted of constructing a new reverse osmosis water treatment plant and water distribution lines.*

NAME OF RECIPIENT	**Dutton, Town of**	
PROJECT TYPE	Water System Improvements	
FUNDING	$ 50,000	TSEP Grant
	$ 66,319	RRGL Grant
TOTAL	$116,319	

PROJECT SUMMARY: The project was needed to provide adequate capacity for fire fighting. *The project consisted of installation of a reliable transmission line, installation of a gas chlorination system, and improvements to the pumping station's valve work and piping.*

NAME OF RECIPIENT	**Ennis, Town of**	
PROJECT TYPE	Water System Improvements	
FUNDING	$ 100,000	TSEP Grant
	$1,100,000	RRGL Loan
	$ 400,000	CDBG Grant
	$ 5,000	Local Funds
TOTAL	$1,605,000	

PROJECT SUMMARY: The project was needed to provide adequate capacity for fire fighting. *The project consisted of construction of a new 500,000-gallon storage tank and the associated transmission main, a booster pump station, various distribution system improvements, and the replacement of inoperable fire hydrants.*

NAME OF RECIPIENT	**Froid, Town of**	
PROJECT TYPE	Water System Improvements	
FUNDING	$ 117,000	TSEP Grant
	$ 25,000	Local Funds
	$ 938,500	RD Grant
	$ 220,000	RD Loan
TOTAL	$1,300,500	

PROJECT SUMMARY: The project was needed to provide adequate capacity for fire fighting and the Town had substandard drinking water due to high sodium, manganese, nitrate and sulfate water

contaminants. *The project consisted of construction of a reverse osmosis water treatment system, and a new storage tank with an improved water chlorination system.*

NAME OF RECIPIENT	**Harlem, City of**	
PROJECT TYPE	Water System Improvements	
FUNDING	$217,300	TSEP Grant
	$170,795	CDBG Grant
	$186,905	EDA
	$122,000	Bank Loan
	$ 43,825	Local Funds
TOTAL	$740,825	

PROJECT SUMMARY: The project was needed to provide adequate capacity for fire fighting. *The project consisted of the construction of a new 400,000-gallon tank with an improved water chlorination system.*

NAME OF RECIPIENT	**Helena, City of**	
PROJECT TYPE	Water System Improvements	
FUNDING	$ 275,068	TSEP Grant
	$ 825,203	Local Funds
TOTAL	$1,100,271	

PROJECT SUMMARY: The project was needed to provide adequate capacity for fire because of deficiencies in water storage and main capacity in that portion of the City. *The project consisted of a new 200,000-gallon reservoir, new or replaced water mains, six fire hydrants, and a pumping station.*

NAME OF RECIPIENT	**Lewistown, City of**	
PROJECT TYPE	Storm Drainage	
FUNDING	$ 60,000	TSEP Grant
	$168,625	Local Funds
TOTAL	$228,625	

PROJECT SUMMARY: The project was needed because poor drainage in a twelve-block area of the north central portion of the City caused standing water that deteriorated streets, created traffic hazards, and impacted neighboring residential and business properties. *The project consisted of the installation of a subsurface conduit for the collection and conveyance of storm water.*

NAME OF RECIPIENT	**Livingston, City of**	
PROJECT TYPE	Storm Drainage	
FUNDING	$100,000	TSEP Grant
	$100,000	Local Funds
TOTAL	$200,000	

PROJECT SUMMARY: A storm drainage system in a 27-block area on the east side of Livingston had deteriorated to the point that much of the system had collapsed. As a result, there was inadequate drainage of storm runoff and subsequent damage to private and public properties. *The project consisted of construction of collection drain inlets, storm drain pipes, and the outfall structure. In addition, the entire system is now located in the public right-of-way.*

NAME OF RECIPIENT	**Missoula County-Sunset West Subdivision**	
PROJECT TYPE	Water System Improvements	
FUNDING	$154,107	TSEP Grant
	$221,228	SRF Loan/Rural Improvement District
TOTAL	$375,335	

PROJECT SUMMARY: Residents of the subdivision had little or no drinking water due to contamination and failure of existing wells. An administrative compliance order was issued to the subdivision by DEQ to provide an adequate water supply *The project consisted of a new off-site well and 10,000' of water main to connect the well to the existing storage tank.*

NAME OF RECIPIENT	**Neihart, Town of**	
PROJECT TYPE	Water System Improvements	
FUNDING	$544,673	TSEP Grant
	$150,000	RRGL Loan
	$ 14,196	Local Funds
TOTAL	$708,860	

PROJECT SUMMARY: The Town was under state district court order to improve its water system to comply with state and federal water quality standards, and was under a DEQ boil order since 1982. *The project consisted of the construction of a new water treatment plant.*

NAME OF RECIPIENT	**Richland County**	
PROJECT TYPE	Solid Waste	
FUNDING	$ 285,000	TSEP Grant
	$ 785,140	Bank Loan
	$ 109,860	County Solid Waste District
	$ 102,500	Local Funds
TOTAL	$1,180,000	

PROJECT SUMMARY: The county landfill polluted groundwater and domestic wells located within a one-mile radius of the landfill. *The project consisted of closing the existing landfill and purchasing a site for and construction of a new landfill.*

NAME OF RECIPIENT	**Ronan, City of**	
PROJECT TYPE	Wastewater System Improvements	
FUNDING	$100,000	TSEP Grant
	$ 90,000	Local Funds
	$400,000	CDBG Grant
	$405,832	SRF Loan
	$114,500	DEQ Grant
TOTAL	$879,662	

PROJECT SUMMARY: The City's sewage collection and treatment system was in violation of federal and state water quality standards. *The project consisted of the rehabilitation of the wastewater treatment facility including retrofitting the aeration system in three cells and constructing a wetlands in the fourth, rehabilitation of the a lift station, improvements to the collection system to remove sedimentation, replacement of concrete and wood lines with PVC pipe to limit ground water infiltration, increasing slope and pipe diameters to boost flow capacity, upgrading the lift/ejector station, and constructing a second highway crossing and new interceptor sewer to re-route east and southeast flows to the rehabilitated lift station.*

NAME OF RECIPIENT	**Shelby, City of**	
PROJECT TYPE	Wastewater System Improvements	
FUNDING	$ 366,000	TSEP Grant
	$ 200,000	CDBG Grant
	$ 481,000	SRF Loan
TOTAL	$1,047,000	

PROJECT SUMMARY: Deteriorating sewage lines caused sewage to back up into numerous homes. *The project consisted of the replacement of sewer lines and associated manholes accessing the lines.*

NAME OF RECIPIENT	**Stillwater County-Reedpoint**	
PROJECT TYPE	Wastewater System Improvements	
FUNDING	$ 200,000	TSEP Grant
	$ 718,785	RD Grant
	$ 137,600	RD Loan
	$ 400,000	CDBG Grant
TOTAL	$1,456,385	

PROJECT SUMMARY: The community did not have a public sewer system, and groundwater and wells were contaminated by failing cesspools and septic tanks. *The project consisted of construction of a new community sewage collection and treatment system.*

NAME OF RECIPIENT	**Yellowstone County**	
PROJECT TYPE	Bridge	
FUNDING	$ 95,500	TSEP Grant
	$ 51,079	Local Funds
	$ 48,969	United Industry (private development contribution)
TOTAL	$195,548	

PROJECT SUMMARY: The MDT considered the King Avenue Bridge a serious public safety issue, creating a traffic bottleneck and accidents. *The project consisted of replacing the bridge with a new wider, four-lane, bulb tee bridge.*

Projects Approved by the 1995 Legislature

Twenty-one applications requesting $7,195,129 in TSEP funds were submitted for the 1997 biennium. The 1995 Legislature approved $4,991,029 in TSEP grant funds for 15 projects. **All but one of the projects has been completed. Where project status is not given, the project has been completed.**

NAME OF RECIPIENT	**Beaverhead County**	
PROJECT TYPE	Bridge	
FUNDING	$23,000	TSEP Grant
	$23,000	Local Funds
TOTAL	$46,000	

PROJECT SUMMARY: Two bridges that linked the east and west portions of Lima, Montana, were deteriorated to the point where they must be closed or replaced. The Lima Town Council elected to close the smaller bridge and to replace the larger, Bailey Street Bridge. *The project consisted of improving the approaches, and constructing a new three-sided concrete box bridge with guardrails.*

NAME OF RECIPIENT	**Butte-Silver Bow County**	
PROJECT TYPE	Wastewater System Improvements	
FUNDING	$ 500,000	TSEP Grant
	$5,360,200	SRF Loan
	$1,000,000	Local Funds
TOTAL	$6,860,200	

PROJECT SUMMARY: As a result of federal regulations that went into effect in 1992, Butte-Silver Bow was required to discontinue the use of the sludge injection disposal facilities. *The project consisted of constructing facilities, and purchasing equipment to treat and dispose of sludge. After treatment, sludge is now transported to, and disposed of at, a new solid waste landfill.*

NAME OF RECIPIENT	**Conrad, City of**	
PROJECT TYPE	Water System Improvements	
FUNDING	$180,000	TSEP Grant

	$434,065	Local Funds
	$ 50,000	RRGL Grant
TOTAL	$664,065	

PROJECT SUMMARY: The city obtains its water supply from Lake Francis. Due to the potential for dam failure, the operation permit required that the water supply be obtained from a diversion facility instead of an outlet conduit with pressure pipes within the earth-filled Lake Francis East Dam. *The project consisted of demolishing the existing pump structure, relocating existing pumps, and removing the existing control gates, excavating the channel, installing gabions, water intake screens and piping, and constructing a new pump station.*

NAME OF RECIPIENT	**East Glacier Park Water and Sewage District (Glacier County)**	
PROJECT TYPE	Water System Improvements	
FUNDING	$ 500,000	TSEP Grant/Blackfeet Tribe
	$ 500,000	TSEP Grant/Browning
	$ 306,555	TSEP Grant/E. Glacier
	$ 500,000	CDBG Grant/Browning
	$ 800,000	Indian CDBG Grant
	$ 500,000	EDA Grant
	$ 720,000	EPA Grant
	$ 1,500,000	Tribal Housing
	$ 800,000	Indian Health Services
	$ 100,000	RD Grant
	$ 6,279,234	RD Loan
TOTAL	$12,505,789	

PROJECT SUMMARY: The district provides drinking water to approximately 400 people in Glacier County from an unfiltered surface water source. The district is under a DEQ boil order and is required to install water treatment facilities by 1996. The project, as originally proposed, was to include the construction of a surface water treatment plant. The scope of the project has been modified, whereby the district and the Town of Browning would receive water from a new water treatment plant being constructed by the Blackfeet Tribe. The funding for this treatment plant and transmission mains include the funds provided to East Glacier.

PROJECT STATUS: The contract has been signed, but none of the other start-up conditions have been met. The Tribe has obtained funding commitments from all of the proposed sources of funding. Construction of the intake and the transmission main to East Glacier are completed. The treatment plant is being designed and will be constructed with TSEP and RD funds. TSEP will participate in the construction of the transmission main to Browning.

NAME OF RECIPIENT	**Fairview, Town of**	
PROJECT TYPE	Water System Improvements	
FUNDING	$ 500,000	TSEP Grant
	$ 72,180	Local Funds
	$ 100,000	RRGL Grant
	$ 470,000	RD Loan
	$ 700,000	RD Grant
TOTAL	$1,842,180	

PROJECT SUMMARY: The town's water source was very high in iron manganese and coal, which fouled the town's domestic water meters. Through an earlier project the water quality was improved. *The project consisted of installing new water meters, replacing cast iron water mains with PVC pipe, and constructing a 300,000-gallon storage tank.*

NAME OF RECIPIENT	**Gardiner/Park County Water District**
PROJECT TYPE	Water System Improvements

FUNDING	$ 300,000	TSEP Grant
	$ 175,000	Local Funds
	$ 610,000	RD Loan
TOTAL	$1,085,000	

PROJECT SUMMARY: There were several serious deficiencies with the district's water system. *The project consisted of constructing 1200' of new water mains, miscellaneous work at the spring to eliminate contamination of the spring and to correct the chlorination system, installing a heated pipe suspended from the bridge, developing a new well, installing a new booster pump and expanding the booster station.*

NAME OF RECIPIENT	**Hamilton, City of**	
PROJECT TYPE	Wastewater System Improvements	
FUNDING	$137,632	TSEP Grant
	$180,000	Local Funds
	$350,000	CDBG Grant
TOTAL	$667,632	

PROJECT SUMMARY: The city had chronic infiltration and inflow conditions in the sewage system, unsafe and inefficient lift stations, unsafe and inefficient manholes, and the inability to handle growth occurring in the city and the surrounding area. *The project consisted of replacing an existing interceptor line, installing a new sewer main and lift station, and the replacing sewer manholes on Tenth Street.*

NAME OF RECIPIENT	**Hill County Water District**	
PROJECT TYPE	Water System Improvements	
FUNDING	$ 500,000	TSEP Grant
	$ 250,000	Local Funds
	$ 400,000	RRGL Loan
TOTAL	$1,150,000	

PROJECT SUMMARY: The district provides water service to 717 households located within an area stretching from just west of Havre to Joplin. Under EPA rules, the district must treat all water drawn from its Fresno reservoir surface water supply. The DEQ had originally given the district until the Fall of 1995, to comply with this requirement. That deadline was moved back by DEQ since it appeared that the District would be able to obtain its water from the Rock Boy Reservation/North Central Montana Regional Water System. *Major elements of the project, as originally proposed, would have included property acquisition, construction of a water treatment facility, and construction of new water lines.* **Funding for this project was terminated by the 2003 Legislature.**

NAME OF RECIPIENT	**Hysham, Town of**	
PROJECT TYPE	Wastewater System Improvements	
FUNDING	$127,500	TSEP Grant
	$ 27,500	Local Funds
	$250,000	RRGL Grant
TOTAL	$405,000	

PROJECT SUMMARY: The town was facing severe deterioration of its sewer system, with the potential for the lagoon, septic systems and sewer main to pollute surface and ground water. *The project consisted of replacing sewer manholes, and creating a management plan for manhole replacement.*

NAME OF RECIPIENT	**Lewistown, City of**	
PROJECT TYPE	Water System Improvements	
FUNDING	$ 500,000	TSEP Grant
	$5,875,000	Revenue Bonds
	$ 100,000	RRGL Grant
TOTAL	$6,475,000	

PROJECT SUMMARY: The city 's two major transmission mains were installed in 1914 and 1938. Both mains were leaking badly, resulting in a loss of about 50 percent of the water entering the mains. *The project consisted of constructing a new transmission main, installing distribution mains in the upper pressure zone, constructing a new 1.5 million-gallon storage tank, and securing the water source site with a dome.*

NAME OF RECIPIENT	**Powell County**	
PROJECT TYPE	Bridge	
FUNDING	$ 51,334	TSEP Grant
	$ 48,616	Local Funds
	$ 30,000	U.S. Forest Service
TOTAL	$129,950	

PROJECT SUMMARY: The Snowshoe Creek Bridge crossing the Little Blackfoot River was a narrow, 24-year old, one-lane bridge that was inadequate and unsafe. *The project consisted of replacing the bridge.*

NAME OF RECIPIENT	**Seeley Lake Water District (Missoula County)**	
PROJECT TYPE	Water System Improvements	
FUNDING	$ 464,364	TSEP Grant
	$1,440,000	SRF Loan
	$ 17,100	Local Funds
TOTAL	$1,921,464	

PROJECT SUMMARY: The district was required under federal regulations and by a DEQ administrative order, to install water treatment facilities by 1996. *The project consisted of constructing a new water treatment plant, modifying the water pump station, installing new water lines, and connecting the pump station to the water treatment plant.*

NAME OF RECIPIENT	**Thompson Falls, City of**	
PROJECT TYPE	Wastewater System Improvements	
FUNDING	$ 400,644	TSEP Grant
	$ 251,800	RD Loan
	$ 824,700	RD Grant
TOTAL	$1,477,144	

PROJECT SUMMARY: The city had serious deficiencies in its sewer system resulting primarily from deteriorating sewer lines and excessive infiltration that was over-working the lift station and the treatment facility. In addition, many of the households throughout the city used septic tanks with dry wells or leach fields that threatened contamination of the aquifer and the Clark Fork River. *The project consisted of installing new sewer lines, constructing a new pump station and improving the sewage lagoon.*

NAME OF RECIPIENT	**Troy, City of**	
PROJECT TYPE	New Wastewater System	
FUNDING	$ 500,000	TSEP Grant
OTHER FUNDS	$1,436,600	RD Grant
	$1,824,400	RD Loan
	$ 528	Local Funds
	$ 400,000	CDBG Grant
TOTAL	$4,161,528	

PROJECT SUMMARY: Sewage treatment for the city consisted of substandard on-site septic systems that posed a public health threat due to surfacing effluent and groundwater contamination. *The project consisted of constructing a new centralized wastewater system.*

NAME OF RECIPIENT **Whitehall, Town of**

PROJECT TYPE	Water System Improvements	
FUNDING	$ 500,000	TSEP Grant
	$ 325,000	CDBG Grant
	$ 509,000	RD Loan
TOTAL	$1,334,000	

PROJECT SUMMARY: The town's water system had various deficiencies. *The project consisted of constructing a 500,000-gallon reservoir to replace two 100,000-gallon reservoirs, installing new distribution mains, piping and valves, improving one of the system's wells, and installing water meters on residential and commercial services.*

Projects Approved by the 1997 Legislature

Forty applications requesting $17,079,532 in TSEP funds were submitted for the 1999 biennium ($15,524,536 in grant funds and $1,554,996 in loan funds). The 1997 Legislature approved $13,719,979 in TSEP grant funds for 35 projects and $1,855,472 in TSEP loan funds for four projects. However, based on the actual amount of TSEP funds that became available during the 1999 biennium, only 22 projects actually received TSEP grant funds totaling $9,052,735. None of the TSEP loans were utilized since other loan sources were available with better rates and terms. **All of the projects have been completed.**

NAME OF RECIPIENT	**Cascade, Town of**	
PROJECT TYPE	Wastewater System Improvements	
FUNDING	$ 500,000	TSEP Grant
	$ 400,000	CDBG Grant
	$ 100,000	RRGL Grant
	$1,323,725	SRF Loan
	$ 6,500	Local Funds
TOTAL	$2,330,225	

PROJECT SUMMARY: Cascade's wastewater treatment system consisted of two lagoons that leaked so badly that they did not hold water, contaminating both groundwater and the Missouri River. In addition, storm sewer drains overloaded the sewer collection system during storm events and an antiquated lift station needed replacement. *The project consisted of relocating and replacing the existing lagoons with facultative lagoons and spray irrigation for disposal, and constructing a new lift station, storm drain lines and inlets.*

NAME OF RECIPIENT	**Chinook, City of**	
PROJECT TYPE	Water System Improvements	
FUNDING	$313,555	TSEP Grant
	$550,400	RD Loan
	$ 71,000	RD Grant
	$ 17,479	Local Funds
TOTAL	$934,955	

PROJECT SUMMARY: There was inadequate disinfection contact time in the clear well and a boil order had been issued by DEQ. The chemical feed system was worn and needed replacement, and the raw water intake malfunctioned. *The project consisted of improving the intake structure, rehabilitating the existing disinfectant basins to provide additional disinfectant time, extending the intake pipe and screen into the river; and modifying the chemical feed system*.

NAME OF RECIPIENT	**Coram Water and Sewer District (Flathead County)**	
PROJECT TYPE	Water System Improvements	
FUNDING	$ 500,000	TSEP Grant

	$ 400,000	CDBG Grant
	$ 206,000	RD Grant
	$ 484,300	RD Loan
TOTAL	$1,590,300	

PROJECT SUMMARY: Coram's water supply (Blue Lake Spring) was subject to surface contamination and did not meet state and federal standards. Distribution mains and individual service lines experienced significant leakage of over 20 million gallons a year. The system provided inadequate volumes of water and flows for fire protection. *The project consisted of developing a new groundwater source, replacing water mains with 6" and 8" PVC mains, constructing new gate valves, fire hydrants and appurtenances, and installing water service meters.*

NAME OF RECIPIENT	**East Missoula Sewer District (Missoula County)**	
PROJECT NAME	New Wastewater System	
FUNDING	$ 500,000	TSEP Grant
	$ 100,000	RRGL Grant
	$ 400,000	CDBG Grants
	$ 241,835	EPA Grant
	$ 100,000	Missoula Water Quality District
	$ 940,000	RD Grant
	$2,053,200	RD Loan
	$ 80,000	Missoula County
	$ 101,950	City of Missoula
	$ 16,067	Local Funds
TOTAL	$4,533,052	

PROJECT SUMMARY: A high density of substandard individual cesspools and drainage pits were contaminating local drinking water wells resulting in health advisories and a permanent boil order issued by DEQ. The existing on-site wastewater systems also had the potential to adversely impact the Missoula Valley Aquifer and the Clark Fork River. *The project, as originally proposed, was to include construction of a wastewater treatment system with a gravity collection service, and land disposal using spray irrigation. The scope of the project was modified to allow the district to connect its new collection lines to the City of Missoula's wastewater system, rather than constructing its own treatment system.*

NAME OF RECIPIENT	**Fort Benton, City of**	
PROJECT TYPE	Water System Improvements	
FUNDING	$478,324	TSEP Grant
	$447,322	RRGL Loan
	$ 31,042	Local Funds
TOTAL	$956,689	

PROJECT SUMMARY: The Fort Benton water system had deteriorated water distribution lines, broken valves, undersized distribution lines, and no water meters, all of which contributed to low water pressure and a fire flow problems. *The project consisted of replacing several undersized distribution lines, installing additional distribution lines, and installing 546 water service meters.*

NAME OF RECIPIENT	**Fort Peck Rural Water/Sewer District (Valley County)**	
PROJECT TYPE	New Water System	
FUNDING	$ 500,000	TSEP Grant
	$5,800,000	Federal Appropriation
	$1,519,880	SRF Loan
TOTAL	$7,819,800	

PROJECT SUMMARY: Residents of the Fort Peck Rural County Water District did not have a central public water system. They became ill from untreated drinking water; no ongoing monitoring or disinfection of drinking water in private water tanks, cisterns, or home storage facilities; water being

contaminated because of storage in individual and unsanitary cisterns. *The project, as originally proposed, was to include the construction of a new water treatment plant, water reservoir, intake, booster station, water mains, water service lines, installation of 54 hydrants, and installation of water meters for each residential or commercial hook-up. The scope of the project was modified to allow district to utilize water obtained from the water treatment plant owned by the Town of Fort Peck. The town's water treatment plant was upgraded in the process to increase the plant's capacity to treat water. The system provides water service to Park Grove, Wheeler, Duck Creek, and Cabin neighborhoods; and rural residences within the district's boundaries.*

NAME OF RECIPIENT	**Glasgow, City of**	
PROJECT TYPE	Wastewater/Storm Drain Separation	
FUNDING	$ 500,000	TSEP Grant
	$ 56,804	Local Funds
	$ 400,000	CDBG Grant
	$ 41,443	RRGL Grant
	$1,048,000	SRF Loan
TOTAL	$2,046,247	

PROJECT SUMMARY: The Glasgow wastewater collection system had broken pipes and sinkholes in the ground above the breaks, and raw sewage was being pumped directly into the Milk River because the lift station could not handle the volume. There was also raw sewage overflowing from manholes and backing up into basements. The city had been told to correct the problem or an administrative order would be issued by DEQ. *The project consisted of constructing a separate storm drain system by installing approximately 16,700' of various sized storm drain pipes and 70 new manholes.*

NAME OF RECIPIENT	**Glendive, City of**	
PROJECT TYPE	Water System Improvements	
FUNDING	$ 500,000	TSEP Grant
	$ 864,000	SRF Loan
TOTAL	$1,364,000	

PROJECT SUMMARY: There was inadequate disinfection contact time at the water treatment plant. DEQ had issued a violation notice and mandated improvements to the clear well. *The project consisted of replacing the water supply intake structure, improving the existing clear well with baffling, and constructing a new clear well for additional storage.*

NAME OF RECIPIENT	**Hamilton, City of**	
PROJECT TYPE	Wastewater System Improvements	
FUNDING	$ 500,000	TSEP Grant
	$ 478,000	Local Funds
	$ 400,000	CDBG Grant
TOTAL	$ 1,378,000	

PROJECT SUMMARY: There was inadequate capacity in the existing sludge drying and composting operation to accommodate the increased loading of new connections, and the secondary clarifiers, chlorine contact basin, grit removal chamber and lift pumps had a modest amount of capacity remaining, and did not meet fire code and safety requirements. *The project consisted of expanding the solids storage, drying and biosolids composting, and improving various components of the system including chlorination and dechlorination, secondary clarifier, sludge control, and ventilation.*

NAME OF RECIPIENT	**Helena, City of**	
PROJECT TYPE	Wastewater System Improvements	
FUNDING	$ 500,000	TSEP Grant
	$ 1,437,958	City Reserves
	$ 641,571	City Cash
	$ 9,320,000	SRF Loan

TOTAL	$11,899,529

PROJECT SUMMARY: The city was not able to meet chronic toxicity requirements, which had been determined to be correlated to effluent ammonia concentration. The activated biofilter (AFB) tower did not provide adequate treatment as designed. Existing secondary treatment limitations and problems identified during plant inspections included instrumentation and hydraulic deficiencies, and sludge disposal. *The project consisted of replacing the AFB tower with a nitrification process to allow the city to adequately treat ammonia toxicity and other toxicants.*

NAME OF RECIPIENT	**Hill County/Box Elder Water District**	
PROJECT TYPE	Wastewater System Improvements	
FUNDING	$ 462,000	TSEP Grant
	$ 322,105	CDBG Grant
	$ 300,000	EPA Grant
	$ 26,000	Local Funds
TOTAL	$1,110,105	

PROJECT SUMMARY: According to DEQ, raw sewage was entering the existing cell and seeping into the ground or ponding without adequate treatment. Wastewater seepage entered the ground water just three to four feet below the bottom of the lagoon pond. The area was not fenced to prevent public access. *The project consisted of constructing a wastewater treatment facility using facultative lagoons and wetlands treatment.*

NAME OF RECIPIENT	**Judith Gap, Town of**	
PROJECT TYPE	Wastewater System Improvements	
FUNDING	$130,000	TSEP Grant
	$522,000	RD Grant
	$239,300	RD Loan
TOTAL	$891,300	

PROJECT SUMMARY: The town discharged raw sewage from two community septic tanks into Stevens Gulch, a state water. The wastewater was receiving little or no treatment before it was discharged, and DEQ cited the town for an illegal sewer discharge and issued a compliance schedule. *The project consisted of constructing a lined, total retention lagoon.*

NAME OF RECIPIENT	**Lakeside County Water and Sewer District (Flathead County)**	
PROJECT TYPE	Water System Improvements	
FUNDING	$ 500,000	TSEP Grant
	$ 200,000	RRGL Loan
	$ 400,000	SRF Loan
	$ 162,786	Local Funds
TOTAL	$1,262,786	

PROJECT SUMMARY: The Lakeside water system had deficiencies that resulted in low water pressure causing a fire flow problem. These deficiencies included undersized distribution lines, dead-end distribution lines, limited well production, and no water meters. *The project consisted of replacing approximately 6,000' of existing distribution lines with eight inch lines, constructing a new high volume well, installing a meter on the original well, and installing approximately 173 service meters for all users.*

NAME OF RECIPIENT	**Lewis and Clark County**	
PROJECT TYPE	Bridge	
FUNDING	$ 64,125	TSEP Grant
	$192,375	Local Funds
TOTAL	$256,500	

PROJECT SUMMARY: A timber bridge on Sierra Road where it crosses Prickly Pear Creek had rotten curbs, loose bracing, settling of end fills, and two caps crushed one-third of their length and a third completely crushed. It required that the load limit be reduced to less than standard highway loads and was eventually closed. *The project consisted of replacing the timber bridge with a concrete bulb tee bridge.*

NAME OF RECIPIENT	**Miles City, City of**	
PROJECT TYPE	Water System Improvements	
FUNDING	$136,000	TSEP Grant
	$225,987	INTERCAP Loan
TOTAL	$394,987	

PROJECT SUMMARY: The Miles City water distribution system had a 14" water transmission main that was broken under the Tongue River. *The project consisted of replacing the broken section with a 20" water main crossing under the river, along with a section of water line that ran under the BNSF railroad crossing.*

NAME OF RECIPIENT	**Missoula, City of**	
PROJECT TYPE	Wastewater System Improvements for the Reserve Street Neighborhood	
FUNDING	$ 500,000	TSEP Grant
	$ 400,000	CDBG Grant
	$ 100,000	RRGL Grant
	$2,647,000	Missoula SID
	$ 200,000	Local Funds
TOTAL	$3,847,000	

PROJECT SUMMARY: The Reserve Street Neighborhood had a high number of substandard, antiquated cesspools and seepage pits that provided little or no treatment to protect groundwater quality. The Missoula Aquifer is extremely vulnerable to contamination by the high density and use of septic systems in the area, and is designated as a sole-source aquifer for the Missoula Valley. *The project consisted of installing approximately 40,640' of conventional collection mains, laterals and service lines, 204 service stubs, and 133 manholes, and replacing 11,313' of asphalt.*

NAME OF RECIPIENT	**Neihart, Town of**	
PROJECT TYPE	Water System Improvements	
FUNDING	$261,028	TSEP Grant
	$100,000	RRGL Grant
	$ 6,338	Local Funds
TOTAL	$367,366	

PROJECT SUMMARY: Neihart's leaking water distribution system was subject to contamination from groundwater when negative water pressures occur or when the system shut down for repairs. Distribution system repairs were required by a court order. The town's water mains were installed at shallow depth and were subject to freezing. *The project consisted of replacing approximately 6,150' of water main.*

NAME OF RECIPIENT	**Richey, Town of**	
PROJECT TYPE	Water System Improvements	
FUNDING	$264,340	TSEP Grant
	$ 10,000	Local Funds
	$262,760	CDBG Grant
TOTAL	$537,100	

PROJECT SUMMARY: Richey had very high levels of fluoride in the drinking water that can cause dental fluorosis (mottling of the permanent teeth) and skeletal fluorosis (a serious bone disorder). The drinking water also had a high sodium content. *The project consisted of constructing a reverse osmosis water*

treatment plant, rehabilitating the existing water storage tank, and performing a pilot study to fine tune treatment plant design requirements.

NAME OF RECIPIENT	**Roundup, City of**	
PROJECT TYPE	Wastewater System Improvements	
FUNDING	$ 500,000	TSEP Grant
	$ 400,000	CDBG Grant
	$1,089,000	RD Loan
TOTAL	$1,989,000	

PROJECT SUMMARY: Roundup's lagoons were no longer large enough to dispose of the effluent by evaporation. Ponding of wastewater occurred at the surface outside of the lagoon dikes. A dike failure would have caused lagoon contents to enter the adjacent Musselshell River, which would have affected adjacent landowners, and communities downstream. The high sodium content in the wastewater could have harmed the farmland and made it useless for disposal. *The project consisted of constructing a new aerated wastewater treatment facility, replacing the current deteriorated line, and installing a new line that meets state slope requirements for proper operation.*

NAME OF RECIPIENT	**Terry, Town of**	
PROJECT TYPE	Wastewater/Storm Drain Separation	
FUNDING	$ 500,000	TSEP Grant
	$ 572,700	RD Grant
	$ 476,900	RD Loan
	$ 30,240	Local Funds
TOTAL	$1,579,840	

PROJECT SUMMARY: Terry's wastewater system had deficiencies that resulted in backups of sewage in basements, overflow of sewage from manholes, and potentially contaminated shallow wells. The deficiencies included: vitrified clay pipe that was cracked, broken and collapsed; wide or offset joints obstructing flow and causing plugging; a combined sanitary and storm sewer that caused the system to overload during storm events. *The project consisted of replacing approximately 16,350' of sanitary sewer, constructing approximately 3,250' of storm drain, and installing approximately 66 manholes.*

NAME OF RECIPIENT	**Twin Bridges, Town of**	
PROJECT TYPE	Water System Improvements	
FUNDING	$ 500,000	TSEP Grant
	$ 400,000	CDBG Grant
	$ 100,000	RRGL Grant
	$ 300,000	SRF Loan
	$ 68,500	Local Funds
TOTAL	$1,368,500	

PROJECT SUMMARY: Twin Bridges' 50,000-gallon water storage tank and water line pressures were not sufficient to provide adequate capacity to suppress a major fire event. The distribution lines were not looped, so there was the potential for contamination due to stagnant water in dead end lines. The distribution lines were too undersized to carry the required fire flow. Water flows and pressures did not meet minimum standards for daily usage and fire protection. *The project consisted of constructing a 300,000-gallon reservoir and a 12" transmission main to connect the new reservoir to the existing distribution system, replacing portions of the existing distribution system, and improving various parts of the system including the addition of pressure release valves, pump control valves on the water supply wells, flow meters, and miscellaneous piping.*

NAME OF RECIPIENT	**Valier, Town of**	
PROJECT TYPE	Wastewater System Improvements	
FUNDING	$ 500,000	TSEP Grant
	$ 400,000	CDBG Grant

	$ 100,000	RRGL Grant
	$ 200,000	SRF Loan
TOTAL	$1,200,000	

PROJECT SUMMARY: The Valier wastewater treatment facility had serious deficiencies including: accumulation of sludge in the treatment lagoon, porous soils in the bed of the treatment lagoon that allowed wastewater to percolate too rapidly, failing lagoon embankments, a single cell treatment lagoon system that did not allow continued wastewater treatment when the lagoon was dewatered for maintenance, and storm water infiltration that increased the volume of wastewater requiring treatment. *The project consisted of removing sludge from the lagoon, constructing three cells within the existing single cell, adding aeration to the lagoons, and lining the three new aerated cells with an impermeable liner.*

Projects Approved by the 1999 Legislature

Forty-one applications requesting $15.85 million in TSEP funds were submitted for the 2001 biennium. The 1999 Legislature approved $12.3 million in TSEP grant funds for 32 projects. **Where project status is not given, the project has been completed.**

NAME OF RECIPIENT	**Arlee Water and Sewer District (Lake County)**	
PROJECT TYPE	New Wastewater System	
FUNDING	$ 500,000	TSEP Grant
	$ 500,000	CDBG Grant
	$ 12,745	DEQ Grant
	$ 320,000	Salish and Kootenai Tribal Grant
	$ 11,388	Local Funds
	$ 742,100	RD Loan
	$1,517,800	RD Grant
TOTAL	$3,603,983	

PROJECT SUMMARY: Lack of a sewage disposal and/or a public water supply system for the district's lots that are located in close proximity to each other had created the following deficiencies: increasing nitrate contamination in district wells, moratorium on new sewer installation near and in the community by the county, potential for contamination of area wells during time of drought when there was a high demand on the aquifer, and 64 Safe Drinking Water violations in eight public service establishments. *The project consisted of constructing a wastewater collection and treatment system.*

NAME OF RECIPIENT	**Augusta Water and Sewer District (Lewis and Clark County)**	
PROJECT TYPE	Wastewater System Improvements	
FUNDING	$ 500,000	TSEP Grant
	$ 500,000	CDBG Grant
	$ 506,000	SRF Loan
	$ 37,484	Local Funds
TOTAL	$1,543,484	

PROJECT SUMMARY: The district's wastewater system was operating under a DEQ recommended moratorium on new hookups since it had several deficiencies including: inadequate in size, lagoon leaks excessively, no MPDES discharge permit even though there is a discharge line, had accumulated 1.5' of sludge, no room for expansion, substandard sewer line extensions, and sewer mains with less than desirable slopes. *The project consisted of replacing the existing single cell lagoon with a new total retention treatment facility, and replacing substandard sewer main extensions and connections.*

NAME OF RECIPIENT	**Big Timber, City of**	
PROJECT TYPE	Wastewater System Improvements	
FUNDING	$ 500,000	TSEP Grant

	$ 400,000	CDBG Grant
	$ 92,400	Local Funds
	$ 389,000	SRF Loan
	$ 503,206	Mine Impact
	$ 435,406	STAG Grant
TOTAL	$2,320,012	

PROJECT SUMMARY: The city's wastewater system had several deficiencies including: the sewage lagoon was severely leaking (70 percent leakage), high nitrates in an observation well, the lagoon's aeration systems were inadequate and could not property treat the wastewater, deteriorated sewage collection pipes, and three BOD and TSS violations of the discharge permit prior to 1995, and ten additional violations since 1995. *The project consisted of constructing a new three cell aerated lagoon, with new hydraulic structures, and a new synthetic lagoon liner. The project also included constructing lift stations to state standards and setting priorities for replacement of sewer lines.*

NAME OF RECIPIENT	**Boulder, City of**	
PROJECT TYPE	Water System Improvements	
FUNDING	$ 500,000	TSEP Grant
	$ 400,000	CDBG Grant
	$ 100,000	RRGL Grant
	$1,294,000	SRF Loan
	$ 10,000	Local Funds
TOTAL	$2,304,000	

PROJECT SUMMARY: Boulder's water system had the following deficiencies: drinking water exceeded the standards of the EPA Lead and Copper Rule, deteriorated steel distribution mains lost 40 percent of the pumped water due to leakage resulting in summer water shortages, undersized distribution mains resulted in inadequate fire flows, the system could not accurately measure total water usage, and dead end distribution mains. *The project consisted of replacing approximately 30,000' of distribution main and gate valves, hydrants, fittings, and service lines, and installing water meters at each well so the town can accurately measure the system's total usage. The project, as originally proposed, was also supposed to include the installation of corrosion control treatment equipment at each well, but the Town refused to complete that portion of the project.*

NAME OF RECIPIENT	**Chester, Town of**	
PROJECT TYPE	Water System Improvements	
FUNDING	$ 220,150	TSEP Grant
	$ 34,500	Local Funds
	$ 348,000	EDA Grant
TOTAL	$ 602,650	

PROJECT SUMMARY: The town's water system had several deficiencies including: no control system for the water treatment plan, inadequate water pressure (less than 20 psi) and inadequate fire protection, dead end and undersized mains, health hazards from possible reverse flows, portions of the distribution system were prone to freeze-ups, and water service connections made of lead. *The project consisted of replacing inadequate water mains and service connections, constructing water hydrants, and installing a control system at the water treatment plant.*

NAME OF RECIPIENT	**Columbia Falls, City of**	
PROJECT TYPE	Wastewater System Improvements	
FUNDING	$ 500,000	TSEP Grant
	$ 100,000	RRGL Grant
	$ 430,500	Local Funds
	$2,650,000	SRF Loan
TOTAL	$3,680,500	

PROJECT SUMMARY: The city's wastewater treatment plant had several deficiencies including: sludge storage basin leaking significantly (333 gpd) and, if repaired, the basin would not have had sufficient capacity; sludge storage basin that was difficult to empty; treatment process degraded by foaming caused by microthrix bacteria; aeration basin chlorination system could not be used in cold weather; digester could not be aerated due to foaming, which prevented the sludge from being properly stabilized; feed system for phosphorous removal was not flow paced, occasionally failed, and did not have a backup; return activated sludge pumps were oversized, which limited efficient sludge management; and city was running out of access to land in order to continue sub-surface sludge injection. *The project consisted of adding sludge dewatering facilities, a new sludge storage pad, a new digester, improving the chlorine facility, adding flow capacity for the alum feed pumps, replacing the controls for lift station four, and replacing lift station five.*

NAME OF RECIPIENT	**Corvallis Sewer District (Ravalli County)**	
PROJECT TYPE	Wastewater System Improvements	
FUNDING	$ 410,760	TSEP Grant
	$ 100,000	RRGL Grant
	$ 351,000	SRF Loan
	$ 400,000	CDBG Grant
	$ 70,000	Local Funds
	$ 10,000	EPA Grant
TOTAL	$1,341,760	

PROJECT SUMMARY: Corvallis wastewater treatment facility had several deficiencies including: facility was experiencing hydraulic and organic loading significantly beyond its design potential, accumulated solids in both treatment cells, problems with aeration equipment, facility was causing nitrate contamination in the groundwater, and DEQ had warned Corvallis that continued exceedences in nitrate contamination could result in state enforcement. *The project consisted of replacing the existing aeration system with static tube diffusers, increasing the power of two blowers, removing accumulated sludge, constructing an additional lagoon cell for treatment and storage, constructing a wetlands for nitrogen removal, and expanding the I/P beds.*

NAME OF RECIPIENT	**Cut Bank, City of**	
PROJECT TYPE	Water System Improvements	
FUNDING	$ 500,000	TSEP Grant
	$ 100,000	RRGL Grant
	$2,304,000	RD Grant/Loan
	$ 22,500	Local Funds
TOTAL	$2,926,500	

PROJECT SUMMARY: The city's water system deficiencies included: at least one intake pipe was plugged and one was broken leaving only one pipe to collect water for the city; no raw water storage to provide uninterrupted clean water when agricultural waste upstream from Cut Bank was washed into the creek, contaminating the city's source of water; one part of the distribution system had undersized water lines resulting in very low water pressure and nearly non-existent fire flows during irrigation season; a one million gallon reinforced concrete water storage tank was deteriorating and was in danger of the roof collapsing; a one million gallon steel standpipe had features that caused extremely low water pressure in the "booster district;" and a severely deteriorated distribution system. *The project consisted of constructing a 63 million-gallon raw water reservoir, rehabilitating the intake structure, replacing the existing treatment plant clarifier, providing standby power, updating plant controls, constructing upper loop distribution main, constructing a new concrete tank and rehabilitating the existing one, rehabilitating the booster station and repairing the standpipe.*

NAME OF RECIPIENT	**Denton, Town of**	
PROJECT TYPE	Wastewater System Improvements	
FUNDING	$ 343,058	TSEP Grant ($71,942 was also authorized but was not spent and returned to the TSEP fund)

	$ 100,000	RRGL Grant
	$ 194,130	SRF Loan
	$ 12,000	EPA Grant
	$ 7,500	CDBG Grant
	$ 31,097	Local funds
TOTAL	$ 687,785	

PROJECT SUMMARY: The town's wastewater treatment system had the following deficiencies: inadequate treatment lagoon volume, the lagoon had severe erosion along interior dikes, the lagoon performance was limited by the single cell facility, a significant volume of sludge had accumulated in the treatment lagoon, and BOD and fecal coliform discharge violations. *The project consisted of constructing a three-cell facultative lagoon system.*

NAME OF RECIPIENT	**Drummond, Town of**	
PROJECT TYPE	Wastewater System Improvements	
FUNDING	$ 292,850	TSEP Grant
	$ 162,000	CDBG Grant
	$ 100,000	RRGL Grant
	$ 10,175	EPA Grant
	$ 2,448	Local Funds
	$ 38,118	SRF Loan
TOTAL	$ 605,591	

PROJECT SUMMARY: Drummond's wastewater system had several deficiencies including: the 1.5-mile outfall line picked up to 0.3 mgd of infiltration and inflow at times during the year, the existing inlet line was leaking causing short-circuiting, and only half of the lagoon cell was effectively used. *The project consisted of replacing the 1.5-mile outfall line to the existing lift station and constructing a new inlet manhole at the northeast corner of the lagoon.*

NAME OF RECIPIENT	**Ekalaka, Town of**	
PROJECT TYPE	Wastewater System Improvements	
FUNDING	$ 87,200	TSEP Grant
	$ 65,400	RD Grant
	$ 21,800	RD Loan
	$ 4,000	Local Funds
TOTAL	$ 178,400	

PROJECT SUMMARY: The town's wastewater collection system had two main deficiencies including: a shallow sewer main over a culvert pipe that froze resulting in raw sewage backing up into residential basements and a section of sewer main that was very flat and had displaced joints that resulted in plugging and raw sewage backing up into residential basements. *Major elements of the project were to include replacing 1,872' of sewer main. However, the town requested that the original scope of the project be changed, submitted a new grant application.* **The 2003 Legislature terminated this grant award and awarded a new grant for a new scope of work.**

NAME OF RECIPIENT	**Geraldine, Town of**	
PROJECT TYPE	Wastewater System Improvements	
FUNDING	$ 300,000	TSEP Grant
	$ 315,346	CDBG Grant
	$ 50,000	RRGL Grant
	$ 113,000	SRF Loan
	$ 5,717	Local Funds
TOTAL	$ 784,063	

PROJECT SUMMARY: Geraldine's wastewater treatment system had the following deficiencies: inadequate lagoon volume, lagoon had severe erosion along interior dikes, discharge structure was

deteriorated beyond simple repair, no primary flow measuring device, lagoon operation and performance limited by having only a single cell facility, a significant volume of sludge had accumulated in the treatment cells that was adversely affecting the treatment process, and fencing was needed to prevent access to the site by the public. *The project consisted of constructing an additional treatment cell and installing a wind-driven mixer, new piping and discharge structures, rehabilitating an existing cell including removal of sludge, restoring dike slopes and installing a synthetic liner. A video inspection program involving cleaning, video taping and a summary report was also completed to assist in the implementation of Phase II of the town's CIP to address long-term wastewater collection needs.*

NAME OF RECIPIENT	**Glasgow, City of**	
PROJECT TYPE	Wastewater System Improvements (Sewer/Storm Drainage Separation)	
FUNDING	$ 500,000	TSEP Grant
	$ 400,000	CDBG Grant
	$ 100,000	RRGL Grant
	$ 995,000	SRF Loan
	$ 16,500	Local funds
TOTAL	$2,011,500	

PROJECT SUMMARY: The city's sanitary sewage collection system also served as a storm drainage collection system for 270 acres of the city. During storm events, raw sewage backed up into basements of local residences and businesses and overflowed into the Milk River. *The project consisted of constructing approximately 11,000' of new storm drains and new retention basins serving the north side of Glasgow.*

NAME OF RECIPIENT	**Harrison Water and Sewer District (Madison County)**	
PROJECT TYPE	New Wastewater System	
FUNDING	$ 500,000	TSEP Grant
	$ 100,000	RRGL Grant
	$ 341,200	DEQ Hardship Grant
	$ 453,800	RD Grant
	$ 322,500	RD Loan
TOTAL	$1,717,500	

PROJECT SUMMARY: The Community of Harrison is situated near Willow Creek, with a groundwater table that rises to within 1' to 4' of the surface. This situation caused some on-site treatment systems to fail. The Madison County sanitarian placed a moratorium on any new on-site systems. In addition, the local elementary school had been placed under a State order to improve, or replace, its wastewater treatment system (multiple septic tanks and drain fields) or connect to a municipal system. *The project consisted of constructing a conventional gravity collection system treated with facultative storage lagoons and spray irrigation.*

NAME OF RECIPIENT	**Havre, City of**	
PROJECT TYPE	Water System Improvements	
FUNDING	$ 303,747	TSEP Grant
	$ 689,031	EDA Grant
	$ 275,041	Local Funds
TOTAL	$1,267,819	

PROJECT SUMMARY: The city's water system had one major deficiency: considerable leakage in the lead joints of the single 16" transmission main. *The project consisted of replacing the 16" water main from 6th Avenue West to Montana Avenue.*

NAME OF RECIPIENT	**Helena, City of**	
PROJECT TYPE	Water System Improvements	
FUNDING	$ 500,000	TSEP Grant
	$1,250,000	SRF Loan

	$3,074,438	Local Funds
TOTAL	$4,824,438	

PROJECT SUMMARY: The city's water system had several deficiencies including: water distribution improvements were needed on the east side of the city, inadequate water storage prevented new development and limited water use on the east side of the city, and fire flow improvements were needed. *The project consisted of constructing a new pumping and distribution network, a new reservoir on the east side of the city, and a new clear well and pumping station to address inadequate fire flows and water pressures on the east side of the city.*

NAME OF RECIPIENT	**Highwood Water and Sewer District (Chouteau County)**	
PROJECT TYPE	Water System Improvements	
FUNDING	$ 400,000	TSEP Grant
	$ 360,000	CDBG Grant
	$ 34,500	SRF Loan
	$ 9,000	Local Funds
TOTAL	$ 803,560	

PROJECT SUMMARY: The district's water system had numerous deficiencies including: lead concentrations that exceeded the EPA's Lead and Copper Rule, negative system pressures, inadequate chlorine contact time, source development and treatment did not meet state standards, no fire protection, inadequate valving and looping, aged and deteriorating mains and services, and no water meters on the supply and individual services. *The project consisted of replacing much of the distribution system, looping most of the dead-ends, replacing lead service lines, adding fire hydrants, constructing an adequate water tank, and upgrading existing well controls.*

NAME OF RECIPIENT	**La Casa Grande Water and Sewer District (Lewis and Clark County)**	
PROJECT TYPE	Water System Improvements	
FUNDING	$ 500,000	TSEP Grant
	$ 100,000	RRGL Grant
	$ 650,000	SRF Loan
TOTAL	$1,250,000	

PROJECT SUMMARY: The existing water system was owned and operated by a private company. The district had not been able to negotiate an agreement with the owner of the existing system either to improve the system or to transfer ownership of the system to the district. The private water system had the following deficiencies: fire protection was minimal. The local volunteer fire department did not recognize the current water system as a useable source for fire suppression due to low water pressure, the four wells being utilized did not provide an inadequate water supply to satisfy water use demands, and lack of water prevented lawns from being irrigated to mitigate the lead contamination from the ASARCO lead smelter, thus creating a potential adverse health impact to children. *The project consisted of constructing a new water storage tank, fire hydrants, water mains, and water services.*

NAME OF RECIPIENT	**Lewis and Clark County**	
PROJECT TYPE	Bridges	
FUNDING	$ 500,000	TSEP Grant
	$ 665,985	Local Funds
TOTAL	$1,165,985	

PROJECT SUMMARY: The county identified six bridges (Green Meadow Drive Bridge over Silver Creek, Birdseye Road Bridge over Seven Mile Creek, Country Club Avenue Bridge over Ten Mile Creek, Green Meadow Drive Canal Bridget, Valley Drive Canal Bridge, and McHugh Drive Canal Bridge) that were in critical need of reconstruction. *The project consisted of replacing all six bridges.*

NAME OF RECIPIENT	**Missoula, City of**
PROJECT TYPE	Wastewater System Improvements

FUNDING	$ 500,000	TSEP Grant
	$ 400,000	CDBG Grant
	$ 100,000	RRGL Grant
	$ 434,279	City Bond
	$2,670,952	SRF Loan (City SID)
	$ 150,000	Missoula Water Quality District Grant
TOTAL	$4,255,231	

PROJECT SUMMARY: The Missoula Valley Aquifer is the city's only source of drinking water and the East Reserve Street area represented a significant threat to water quality and public health. The project completed the three-phase project. *The project consisted of eliminating individual septic tanks and connecting properties to the City's central wastewater system.*

NAME OF RECIPIENT	**Philipsburg, Town of**	
PROJECT TYPE	Water System Improvements	
FUNDING	$ 121,900	TSEP Grant
	$ 407,496	CDBG Grants
	$ 344,123	Local Funds
	$ 241,000	SRF Loan
TOTAL	$1,114,519	

PROJECT SUMMARY: Philipsburg's only water source, Fred Burr Lake, has highly corrosive water, which resulted in high levels of both lead and copper in the water distribution system and were in violation of the EPA Lead and Copper Rule. *The project consisted of developing a well to blend groundwater with the water from Fred Burr Lake in order to accomplish a reduction of lead and copper levels in the distribution system. The new groundwater well will also provide the town with a backup water source, in the event the Fred Burr Lake water supply is interrupted or if the town's waiver for filtration of a surface water supply is lost.*

NAME OF RECIPIENT	**Rae Water and Sewer District (Gallatin County)**	
PROJECT TYPE	Wastewater Treatment System	
FUNDING	$ 485,850	TSEP Grant
	$ 517,340	Local Funds
	$ 372,927	CDBG Grant
	$ 100,000	RRGL Grant
	$ 550,000	RD Grant
	$ 400,000	RD Loan
TOTAL	$2,426,177	

PROJECT SUMMARY: The district had nowhere to discharge its wastewater effluent and it had excessive leakage from its lagoons. *The project consisted of constructing a sequencing batch reactor treatment system with treated water discharged directly to groundwater.*

NAME OF RECIPIENT	**Red Lodge, City of**	
PROJECT TYPE	Wastewater System Improvements	
FUNDING	$ 500,000	TSEP Grant
	$ 125,000	Local Funds
	$4,633,600	RD Loan
TOTAL	$5,258,600	

PROJECT SUMMARY: The city's wastewater system had several deficiencies including: DEQ had prohibited expansion beyond the existing approved hookups without improvements to the treatment facility if it meant potential degradation of Rock Creek; lagoon ponds were at capacity and incapable of meeting new non-degradation regulations beyond current levels; lagoon cells were unlined resulting in a 30 to 50 percent loss of effluent to the subsurface; cells were undersized for current flows; lagoon discharged into an open drainage ditch that ran through private property; and infiltration and inflow

affected efficient treatment of waste at the lagoons. *The project consisted of lining and adding aeration to the lagoons, installing an outfall line to Rock Creek, and installing new storm water collection laterals in the downtown area drainage east of the existing Haggin storm drain.*

NAME OF RECIPIENT	**Richland County**	
PROJECT TYPE	Bridges	
FUNDING	$ 181,155	TSEP Grant
	$ 191,655	Local Funds
TOTAL	$ 372,810	

PROJECT SUMMARY: Two of the county's bridges (Michelletto Bridge and Haffner Bridge) did not have the structural capacity to support modern day modes of transportation, including farm and oil field equipment that can weigh up to 40 tons, nor do these structures meet the county's dimensional standards. *The project consisted of extracting and salvaging the existing substructures in order to preserve their historical significance, and installing new pile supported concrete substructures and pre-cast concrete decks.*

NAME OF RECIPIENT	**South Hills Water and Sewer District (Yellowstone County)**	
PROJECT TYPE	Water System Improvements	
FUNDING	$ 500,000	TSEP Grant
	$2,750,000	City of Billings
TOTAL	$3,250,000	

PROJECT SUMMARY: The South Hills water system had the following deficiencies: noncompliance with the Montana Public Water Supply Act, failure to use approved surface water treatment techniques, and inadequate water filtration. *Major elements of the project, as originally proposed, were to install a membrane filtration plant and disinfection facilities. However, the original scope of the project was modified. Instead of building its own water treatment plant, the district joined with the Cedar Park Water and Sewer District to construct a pipeline that transports water from the City of Billings water system. The revised project was strongly encouraged by DEQ and is a better long-term solution. Both districts were annexed into the city 2002.*

NAME OF RECIPIENT	**Sweetgrass Community Water and Sewer District (Toole County)**	
PROJECT TYPE	Wastewater System Improvements	
FUNDING	$ 213,000	TSEP Grant
	$ 260,000	CDBG Grant
	$ 100,000	RRGL Grant
	$ 80,000	SRF Loan
	$ 37,285	Toole County/District
TOTAL	$ 690,285	

PROJECT SUMMARY: The wastewater treatment system had the following deficiencies: system only had one treatment lagoon while state standards required a minimum of two, inlet design violated state standards, and the seepage rate was in violation of state standard of 6" a year. *The project consisted of expanding the lagoon system to two cells, adding a new inlet, and relining an existing lagoon cell to prevent leakage.*

NAME OF RECIPIENT	**Thompson Falls, City of**	
PROJECT TYPE	Water System Improvements	
FUNDING	$ 500,000	TSEP Grant
	$ 370,000	RD Grant
	$1,301,300	RD Loan
	$ 400,000	CDBG Grant
	$ 100,000	RRGL Grant
TOTAL	$2,671,300	

PROJECT SUMMARY: The city's water system had the following deficiencies: a DEQ directive to filter the surface water source, well number two had elevated levels of iron and manganese, inadequate water pressure and fire flows due to undersized water mains and lack of looping, and distribution system had excessive water loss. *The project consisted of installing an intake structure at the spring, either redeveloping well number two or constructing a new well, evaluating the distribution system for leakage, and replacing water mains to improve fire protection and reduce water loss.*

NAME 0F RECIPIENT	**Willow Creek Sewer District (Gallatin County)**	
TYPE OF PROJECT	Wastewater System Improvements	
FUNDING	$ 500,000	TSEP Grant
	$ 283,000	RD Grant
	$ 250,400	RD Loan
	$ 5,000	Local Funds
TOTAL	$1,038,000	

PROJECT SUMMARY: The district's wastewater system had the following deficiencies: the treatment system had outgrown the capacity of its treatment system and was frequently overloaded, raw or partially treated wastewater was discharged from the plant resulting in a built up of sludge in a drainage ditch that lead from the treatment plant to the Jefferson River. *The project consisted of constructing a lagoon treatment system.*

PROJECT STATUS: Under construction. A bonding company had to take over the project in order to get it completed.

Projects Approved by the 2001 Legislature

Thirty-Eight applications requesting $16.77 million in TSEP funds were submitted for the 2003 biennium. The 2001 Legislature approved $13.67 million in TSEP grant funds for 32 projects.

NAME 0F RECIPIENT	**Alder Water and Sewer District (Madison County)**	
TYPE OF PROJECT	Wastewater System	
FUNDING	$ 500,000	TSEP Grant
	$ 500,000	CDBG Grant
	$ 100,000	RRGL Grant
	$ 25,000	Local Funds
	$ 464,500	RD Grant
	$ 181,000	RD Loan
TOTAL	$1,770,500	

PROJECT SUMMARY: The district lacked a centralized wastewater system wastewater system and had the following problems: the groundwater table rises to within 1' to 4' of the ground surface and caused on-site treatment systems to fail, wells being contaminated, a moratorium on any proposed new on-site systems; those wishing to repair or replace existing failed systems had to receive a variance, and several local businesses had been placed under state orders to improve or replace their current wastewater treatment systems or connect to a municipal system that would accept their wastewater. *The project consisted of abandoning the existing on-site septic tank/drainfield systems and constructing a centralized wastewater system with a conventional gravity collection system, a treatment facility with two facultative storage lagoons, and spray irrigation for discharge in the summer months*.

NAME 0F RECIPIENT	**Ashland County Water and Sewer District (Rosebud County)**	
TYPE OF PROJECT	Wastewater System	
FUNDING	$ 500,000	TSEP Grant
	$ 100,000	RRGL Grant
	$ 385,500	CDBG Grant

	$ 185,000	Coal Board Grant
	$ 115,000	EDA Grant
	$ 116,750	SRF Loan
	$ 28,750	Local Funds
TOTAL	$1,431,000	

PROJECT SUMMARY: The district lacked a centralized wastewater system wastewater system and there were measurable impacts to water supplies occurring as a result of contamination from the septic systems. *The project consisted of constructing a centralized wastewater system utilizing a lagoon treatment system with wetlands for effluent polishing, and infiltration basins for final discharge.*

NAME 0F RECIPIENT	**Blackfeet Tribe and Browning, Town of**	
TYPE OF PROJECT	Water System Improvements	
FUNDING	$ 500,000	TSEP Grant/Blackfeet Tribe
	$ 500,000	TSEP Grant/Browning
	$ 306,555	TSEP Grant/E. Glacier
	$ 500,000	CDBG Grant/Browning
	$ 800,000	Indian CDBG Grant
	$ 500,000	EDA Grant
	$ 720,000	EPA Grant
	$ 1,500,000	Tribal Housing
	$ 800,000	Indian Health Services
	$ 100,000	RD Grant
	$ 6,279,234	RD Loan
TOTAL	$12,505,789	

PROJECT SUMMARY: Browning water system has the following deficiencies: limited ground water supply, and high iron and manganese content. East Glacier provides drinking water to approximately 400 people in Glacier County from an unfiltered surface water source, is under a DEQ boil order, and is required to install water treatment facilities. The Blackfeet Tribe joined with these two communities to resolve their problems by providing water to them. *Major elements of the project include constructing a treatment plant on Lower Two Medicine Lake, storage, and transmission lines to East Glacier and Browning.*

PROJECT STATUS: The scope of the project has been modified, whereby the district and the Town of Browning would receive water from a new water treatment plant being constructed by the Blackfeet Tribe. The funding for this treatment plant and transmission mains include the funds provided to East Glacier. The contract and interlocal agreement have been signed but none of the other start-up conditions have been met. The Tribe has obtained funding commitments from all of the proposed sources of funding. Construction of the intake and the transmission main to East Glacier are completed. The treatment plant is being designed and will be constructed with TSEP and RD funds. TSEP will participate in the construction of the transmission main to Browning.

NAME 0F RECIPIENT	**Charlo Sewer District (Lake County)**	
TYPE OF PROJECT	Wastewater System Improvements	
FUNDING	$ 500,000	TSEP Grant
	$ 400,000	CDBG Grant
	$ 110,000	RRGL Grants
	$ 198,758	RD Grant
	$ 258,771	RD Loan
	$ 52,500	Local Funds
TOTAL	$1,520,029	

PROJECT SUMMARY: The district's wastewater system has the following deficiencies: the existing cell has inadequate volume, the single cell allows very limited process control or flexibility, the cell banks are eroded, there are no primary measuring devices, the existing lift station cannot pump the required volume

at peak flows, an accumulation of 50 years of sludge has decreased the effective volume of the cell, discharges often violate the limits of the current MPDES permit, the current system cannot meet the new ammonia level requirements, and effluent seeps through the cell banks. *The project consisted of constructing an aerated cell along with constructed wetlands, a new lift station, and replacing the collection main from Charlo to a new lift station.*

NAME 0F RECIPIENT	**Choteau, City of**	
TYPE OF PROJECT	Wastewater System Improvements	
FUNDING	$ 500,000	TSEP Grant
	$1,028,975	SRF Loan
TOTAL	$1,528,975	

PROJECT SUMMARY: The city's wastewater system had the following deficiencies: the collection system was generally located below the groundwater table, and the old pipe, with open joints in the old clay tile materials, allowed large quantities of clear water to infiltrate into the system, resulting in surcharging of the sewer, sewage backups, and hydraulic overloading of the treatment system. *The project consisted of replacing or rehabilitating 21,700' of collection lines, and rehabilitating 45 manholes.*

NAME 0F RECIPIENT	**Essex Water and Sewer District (Flathead County)**	
TYPE OF PROJECT	Water System Improvements	
FUNDING	$ 225,000	TSEP Grant
	$ 50,000	RRGL Grant
	$ 165,000	EDA Loan
	$ 307,697	RD Grant
	$ 14,595	RD Loan
	$ 15,000	Unknown (the TSEP amount awarded was reduced by $15,000 from the original amount requested)
	$ 50,000	Local Funds
TOTAL	$ 827,292	

PROJECT SUMMARY: The district's water system has the following deficiencies: inadequate screening at the intake allows forest debris and mud to enter the system during periods of high run-off, the chlorination facility is sub-standard in terms of ventilation and chlorine segregation, sustained power outages occur frequently, rendering pumping facilities associated with other area water systems inoperable, small diameter distribution mains are buried two feet or less in the ground and freeze frequently in areas where the snow cover is removed for vehicle access, large portion of the transmission main is laid on top of the ground or is covered by 2' or less of forest duff, the cast iron transmission main is deteriorating, and an elevated 40,000 gallon storage tank is aging. Major elements of the project originally included constructing a deep well in a known productive aquifer, constructing chlorination facilities, replacing the distribution system in public right of way with 4" PVC pipe, connecting all existing services, and constructing a 30,000-gallon storage tank. However, the District did not move forward with the project and the department recommended to the 2005 Legislature that the TSEP grant for this project be terminated. However, because DEQ has major issues with the current water supply and the district agree to move forward with a smaller project, the Legislature reduced the TSEP amount to $100,000 and reduced the scope to just constructing a new well.

PROJECT STATUS: Contract has been signed, but no other start-up conditions have been met. In design, and may potentially be drilled by the end of 2006.

NAME 0F RECIPIENT	**Eureka, Town of**	
TYPE OF PROJECT	Water System Improvements	
FUNDING	$ 369,000	TSEP Grant
	$ 469,000	CDBG Grant
TOTAL	$ 838,000	

PROJECT SUMMARY: The town's water system had the following deficiencies: the infiltration gallery was classified as Groundwater Under the Direct Influence of Surface Water, leaking distribution lines, undersized distribution lines, inadequate fire flow, and no meters. *The project consisted of improving the existing deep well, adding chlorine system, constructing a dedicated line from infiltration gallery chlorine feed point to water tank, adding baffles to water tank, adding corrosion control, replacing line from West Ave. to Pinkham Road with 8" PVC, and installing 475 meters.*

NAME 0F RECIPIENT	**Florence Water and Sewer District (Ravalli County)**	
TYPE OF PROJECT	Wastewater System	
FUNDING	$ 500,000	TSEP Grant
	$ 500,000	CDBG Grant
	$ 100,000	RRGL Grant
	$2,000,000	STAG Grant
	$1,490,500	RD Grant
	$1,864,500	RD Loan
TOTAL	$6,455,000	

PROJECT SUMMARY: The district lacks a centralized wastewater system and there is measurable impacts to water supplies occurring as a result of contamination from the septic systems currently being utilized. The plan was to construct a centralized wastewater system for the community. ***The District decided not to move forward with the project and the 2005 Legislature terminated the TSEP grant for this project.***

NAME 0F RECIPIENT	**Froid, Town of**	
TYPE OF PROJECT	Wastewater System Improvements	
FUNDING	$ 390,600	TSEP Grant
	$ 434,400	CDBG Grants
	$ 66,000	SRF Loan
TOTAL	$ 891,000	

PROJECT SUMMARY: The town's wastewater system had the following deficiencies: sewer main plugs resulting in raw sewage backing up into buildings, increased operation and maintenance costs due to current sewer main flushing/cleaning requirements, infiltration/inflow problems, and rising electrical consumption due to lift stations frequently operating to handle the infiltration entering the collection system. *The project consisted of replacing approximately 9,000' of sewer mains and 31 manholes.*

NAME 0F RECIPIENT	**Gardiner-Park County Water and Sewer District**	
TYPE OF PROJECT	Water System Improvements	
FUNDING	$ 398,500	TSEP Grant
	$ 169,637	SRF Loan
	$ 230,206	Local Funds
TOTAL	$ 798,343	

PROJECT SUMMARY: The district's water system had the following deficiencies: inter-connection with a private water system, the connection box had dead rodents floating in it, water main on Scott Street had only a 3' to 4' of cover, chlorinated water from the Park Tank overflowed before the new spring overflow at the North Tank, and the 4" main on Scott Street did not provide sufficient fire flow or allow hydrants to be placed on this main since the line was too small. *The project consisted of replacing water mains along Scott Street, adding new hydrants along Scott Street, abandoning the private system and connecting the hotel and bank to the district's system, and adjusting the spring overflow elevation by lowering it 6" or making it adjustable.*

NAME 0F RECIPIENT	**Geraldine, Town of**	
TYPE OF PROJECT	Water System Improvements	
FUNDING	$ 167,460	TSEP Grant
	$ 100,000	RRGL Grant

	$ 67,572	SRF Loan
TOTAL	$ 335,032	

PROJECT SUMMARY: The town's water system had the following deficiencies: leakage and unaccounted water loss, no heat during inclement weather, and insufficient chlorination. *The project consisted of replacing and relocating the chlorination station and installing water meters.*

NAME 0F RECIPIENT	**Havre, City of**	
TYPE OF PROJECT	Water System Improvements	
FUNDING	$ 500,000	TSEP Grant
	$ 271,500	SRF Loan
	$ 271,500	SRF Loan (SID)
TOTAL	$1,043,000	

PROJECT SUMMARY: The city's water system has the following deficiencies: the South End and Highland Park areas are serviced by one elevated storage tank, a major break in the storage tank main feed line will interrupt water service to 75 percent of the residents, the occasional use of the second water tank causes a change of flow through the water line, the reversal of flow can free oxides that have built up in the pipe, causing the water to temporarily turn black or brown (indication of excess particulate manganese) and occasionally red (indication of excess particulate iron), which is then carried into the homeowner's lines, and several dead-end lines in the area south of the high school in the Heritage Addition and the newly developed subdivisions in the county. *Major elements of the project were to include extending a 12" water line along the Southern edge of the city, changing the location of some of the existing valves, and looping dead-end lines.* ***However, the contract was terminated at the request of the city, due to the city canceling the project.***

NAME 0F RECIPIENT	**Hinsdale Water and Sewer District (Valley County)**	
TYPE OF PROJECT	Wastewater System Improvements	
FUNDING	$ 329,000	TSEP Grant
	$ 100,000	RRGL Grant
	$ 169,000	CDBG Grant
	$ 55,000	SRF Loan
	$ 8,000	Local Funds
TOTAL	$ 661,000	

PROJECT SUMMARY: The district's wastewater system had the following deficiencies: treatment system was 25 years old and beyond its useful life, numerous fecal, BOD, and TSS permit violations, collection pipes were undersized, collection pipes were cracked and had root penetration, collection pipes leak, steel channels that formed the walkway around the aeration chamber were rusted through and unsafe, and the plant's grating and channel supports were corroded. *The project consisted of constructing a new treatment system adjacent to the existing system, rehabilitating the old system to provide a back-up, and replacing an unspecified amount of collection pipe.*

NAME 0F RECIPIENT	**Hot Springs, Town of**	
TYPE OF PROJECT	Water System Improvements	
FUNDING	$ 500,000	TSEP Grant
	$ 100,000	RRGL Grant
	$ 263,147	CDBG Grants
	$ 800,000	RD Grant
	$ 975,600	RD Loan
	$ 7,000	Local Funds
TOTAL	$2,645,747	

PROJECT SUMMARY: The town's water system had the following deficiencies: aging and an inadequate distribution of fire hydrants, 10,600' of undersized distribution mains, leaking distribution lines, old and leaking galvanized service lines, old and breaking cast iron pipe, dead-end mains, inadequate isolation

valving, and negative water pressure in some parts of town when using fire hydrants. *The project consisted of replacing all the galvanized services, replacing 25,700' of cast iron mains with PVC pipe, installing 60 isolation valves, and replacing or adding 55 fire hydrants.*

NAME 0F RECIPIENT	**Kevin, Town of**	
TYPE OF PROJECT	Wastewater System Improvements	
FUNDING	$ 385,000	TSEP Grant
	$ 367,332	CDBG Grant
	$ 8,980	RRGL Planning Grant
	$ 6,848	MDEQ Grant
	$ 96,726	SRF Loan
TOTAL	$ 859,886	

PROJECT SUMMARY: The district's wastewater system had the following deficiencies: frequent BOD violations, the lift station and wet well had reached the end of their useful life, no backup power source, and ground water was infiltrating into the collection system. *The project consisted of constructing a new accelerated facultative lagoon facility, removing sludge from the existing lagoons utilizing liquid dredging and land application, disassembling the existing lagoon cells, replacing lift station pumps and motors, rehabilitating the existing wet well, and installing a backup power supply for the lift station.*

NAME 0F RECIPIENT	**Lambert County Water and Sewer District (Richland County)**	
TYPE OF PROJECT	Wastewater System Improvements	
FUNDING	$ 500,000	TSEP Grant
	$ 242,450	CDBG Grant
	$ 100,000	RRGL Grant
	$ 36,000	SRF Loan
	$ 25,000	Local Funds
TOTAL	$ 770,000	

PROJECT SUMMARY: The district's wastewater system has the following deficiencies: high levels of fluoride, water source fails to meet DEQ requirements regarding source capacity and number of sources, and breakage's in water service connections have allowed coliform bacteria to infiltrate the water system. *Major elements of the project include constructing a new reverse osmosis water treatment facility, drilling a new well, installing water meters, and replacing water service connections.*

PROJECT STATUS: Construction has been completed, with the exception of water meters.

NAME 0F RECIPIENT	**Lavina, Town of**	
TYPE OF PROJECT	Wastewater System Improvements	
FUNDING	$ 483,000	TSEP Grant
	$ 390,000	CDBG Grant
	$ 121,000	SRF Loan
TOTAL	$ 994,000	

PROJECT SUMMARY: The town's wastewater system had the following deficiencies: substandard and unreliable lift station that caused sewage to back up into residents' crawl spaces and basements, unlined leaking lagoon that resulted in the local groundwater and the Musselshell River being polluted, the detention capacity of the single cell facultative lagoon was only 94 days for domestic flows and less than 20 days for infiltration-laden flows and did not meet the DEQ standard of a three-cell lagoon, decaying clay tile pipe that allowed severe infiltration, treatment facility discharges to the side channel of the Musselshell River, and lift station configuration caused surcharging of several blocks of sewer main each time the pump cycled. *The project consisted of replacing all gravity collection mains, manholes, and service connections within the zone of groundwater inundation, constructing a new duplex submersible lift station with a back-up gas-fired pump, constructing a lined three-cell facultative lagoon, and installing a discharge pipe to the main channel of the river.*

NAME 0F RECIPIENT	**Lewis and Clark County**	
TYPE OF PROJECT	Bridge System Improvements	
FUNDING	$ 500,000	TSEP Grant
	$ 538,000	Local Funds
TOTAL	$1,038,000	

PROJECT SUMMARY: The county had four bridges (Elk Creek Road Bridge, Smith Creek Road Bridge, Lyons Creek Road Bridge, Sierra Road Bridge) with a variety of deficiencies such as: substandard and deteriorated rails, decks, stringers, floor beams, girders, trusses, and abutments. *The project consisted of replacing all four bridges.*

NAME 0F RECIPIENT	**Lockwood Water and Sewer District (Yellowstone County)**	
TYPE OF PROJECT	Wastewater System Improvements	
FUNDING	$ 500,000	TSEP Grant
	$3,801,000	EPA Grant
	$ 100,000	RRGL Grant
	$4,236,453	RD Loan
	$ 51,000	Local Funds
TOTAL	$8,688,453	

PROJECT SUMMARY: The district lacks a centralized wastewater system wastewater system and the following problems: there is a high percentage of drain field failures and limited or no space for replacement fields, with a high potential for groundwater contamination. *Major elements of the project include constructing a sanitary sewer collection system for the district. Wastewater would be pumped across the Yellowstone River for treatment and disposal at the City of Billings Wastewater Treatment Plant. The first phase would include construction of the trunk main from the wastewater treatment plant, boring under the Yellowstone River, and extending approximately two miles to Johnson Lane. This would also involve constructing two pumping stations.*

PROJECT STATUS: Contract has been signed, but no other start-up conditions have been met. The district has held three unsuccessful bond elections to date. The 2005 Legislature modified the statute related to bond elections, which may make it easier for the district to be able to pass a bond election, but the district has not held a bond election since the modification. In 2006, the City of Billings decided not to allow the district to connect to its wastewater treatment plant. As a result, the district would either have to build its own treatment plant or convince the City to change its decision. ***The department recommended termination of the grant by the 2007 legislature. The district could reapply for funding when ready to proceed, and in the process would likely be eligible for a larger grant.***

NAME 0F RECIPIENT	**Manhattan, Town of**	
TYPE OF PROJECT	Wastewater System Improvements	
FUNDING	$ 500,000	TSEP Grant
	$ 500,000	CDBG Grant
	$ 100,000	RRGL Loan
	$ 779,949	SRF Loan (Phase 1)
	$ 843,369	SRF Loan (Phase 2)
	$ 2,750	Local Funds
TOTAL	$2,726,068	

PROJECT SUMMARY: The town's wastewater system has the following deficiencies: high groundwater, deteriorated collection lines, gaps in joints of vitrified clay pipes, severe root intrusions in the older collection lines, deteriorated manholes, abandoned flush tanks in collection lines that prevent pipe maintenance, high maintenance requirements associated with repeated line back ups and basement flooding, BOD and fecal coliform violations, excessive seasonal leakage out of treatment cells, inadequate sewage treatment due to hydraulic overloading, inadequate sewage treatment resulting from overloading of the design BOD and TSS, and elevated nitrates in the shallow aquifer in the vicinity of the

lagoon. *The project consists of two phases. Phase I will be completed with funding from an SRF loan and will ready the project for Phase II improvements. Phase I improvements include replacing deteriorated collection lines and manholes, removing and disposing of sludge from the lagoons, and land acquisition for waster treatment expansion. Major elements of the Phase II project, when TSEP funds would be used, include lining and modifying the existing lagoons into aerated facultative lagoons, and constructing storage and spray irrigation system.*

PROJECT STATUS: The first phase is completed and the second phase is under construction.

NAME 0F RECIPIENT	**Nashua, Town of**	
TYPE OF PROJECT	Wastewater System Improvements	
FUNDING	$ 500,000	TSEP Grant
	$ 455,000	CDBG Grant
	$ 100,000	RRGL Grant
	$ 238,650	SRF Loan
	$ 45,000	Local Funds
TOTAL	$1,338,650	

PROJECT SUMMARY: The town's wastewater system had the following deficiencies: leaking lagoons that caused accelerated erosion of the bank, insufficient lagoon capacity, lift station overflowed into the storm sewer, lack of back-up power caused raw sewage to flow to the Milk River during some power outages or when the system become temporarily overloaded, and lagoon bank erosion caused by a combination of seepage from the lagoon through the bank and natural meandering of the Milk River. *The project consisted of reconstructing the treatment system to include a lined, three-celled flow through a discharging facultative lagoon, installing new lift-station pumps, and installing a generator at the lift station for back-up power.*

NAME 0F RECIPIENT	**Park City/County Water and Sewer District (Stillwater County)**	
TYPE OF PROJECT	Wastewater System Improvements	
FUNDING	$ 500,000	TSEP Grant
	$ 506,000	CDBG Grants (jncludes a Planning Grant)
	$ 100,000	RRGL Grant
	$ 20,000	EPA Grant
	$ 421,340	SRF Loan
	$ 144,850	Local Funds
TOTAL	$1,692,190	

PROJECT SUMMARY: The district's wastewater system had the following deficiencies: the lagoon was too small, detention time was insufficient, and system hydraulics were inhibiting treatment capabilities and contributing to water quality permit violations, the lagoon leaked, exceeding ammonia and fecal coliform limits, and the main lift station pump was not isolated from the wetwell, nor did it have an auxiliary power source. *The project consisted of constructing a new three-cell aerated lagoon, constructing a new lift station at the treatment site, and constructing a 1.2 mile conveyance line directly to the Yellowstone River.*

NAME 0F RECIPIENT	**Power/Teton County Water and Sewer District**	
TYPE OF PROJECT	Water System Improvements	
FUNDING	$ 425,000	TSEP Grant
	$ 400,000	SRF Loan
	$ 100,000	Local Funds
TOTAL	$ 925,000	

PROJECT SUMMARY: The district's water system had the following deficiencies: treatment plant was outdated and sub-standard, and no back-up treatment system. *The project consisted of performing a pilot testing of conventional treatment versus membrane technology to determine the best treatment alternative, and constructing a new treatment plant.*

NAME 0F RECIPIENT	**Richland County**	
TYPE OF PROJECT	Bridge System Improvements	
FUNDING	$ 296,500	TSEP Grant
	$ 296,500	Local Funds
TOTAL	$ 593,000	

PROJECT SUMMARY: The county had three timber constructed bridges (West John Berger Bridge, Savage Spillway Bridge, South Cemetery Road Bridge) with a variety of deficiencies. *The project consisted of replacing all three bridges.*

NAME 0F RECIPIENT	**Shelby, City of**	
TYPE OF PROJECT	Water System Improvements	
FUNDING	$ 500,000	TSEP Grant
	$ 676,500	SRF Loan
	$ 61,500	Local Funds
TOTAL	$1,238,000	

PROJECT SUMMARY: The city's water system had the following deficiencies: deteriorating and leaking cast iron and asbestos cement water lines, small lines and line crossings (4") that resulted in inadequate water volume and pressure that prevented adequate fire flows throughout the city, and fire hydrants that were old and had become faulty or inoperable. *The project consisted of replacing all 4" and 6" cast iron and asbestos cement lines with 6", 8" and 12" PVC pipe (a total of 12,225'), replacing 45-4" street water line crossings, replacing 40 faulty fire hydrants, and relocating three other fire hydrants.*

NAME 0F RECIPIENT	**Stanford, Town of**	
TYPE OF PROJECT	Wastewater System Improvements	
FUNDING	$ 500,000	TSEP Grant
	$ 100,000	RRGL Grant
	$ 990,000	RD Loan
	$ 16,500	Local Funds
TOTAL	$1,606,500	

PROJECT SUMMARY: The town's wastewater system had the following deficiencies: single cell lagoon design configuration did not meet state design standards and detention time was only 79 days, lagoon was nearly full of sludge, BOD and TSS violations, outlet control provided inadequate control of flow rate and pond level, 70-year old clay sewer pipe was structurally inadequate, had holes and cracks, and was at risk of imminent failure. *The project consisted of replacing 2,800' of outfall pipe to the lagoon, replacing 5,800' feet of 8" and 10" diameter sewer trunk lines, removing sludge from the lagoon, and upgrading the lagoon to a three-cell system.*

NAME 0F RECIPIENT	**Virginia City, Town of**	
TYPE OF PROJECT	Wastewater System Improvements	
FUNDING	$ 500,000	TSEP Grant
	$ 100,000	RRGL Grant
	$ 500,000	EDA Grant
	$ 724,000	SRF Loan
	$ 23,460	Local Funds
TOTAL	$1,847,460	

PROJECT SUMMARY: The town's wastewater system had the following deficiencies: total detention time was only 90 days, current lagoon location did not allow for expansion, treatment ponds rarely discharged to the infiltration cells demonstrating that it was leaking into the groundwater system, BOD loading exceeded state standards, which resulted in periodic odor problems, lagoon embankments were subject to erosion at the toes of the embankments, and embankments exceeded the 3:1 slope requirement. *The project consisted of abandoning the current wastewater treatment ponds (de-water, lower embankments,*

cover bottoms with soil and re-vegetate entire area), constructing a collection system for Nevada City, and constructing two wastewater lagoons for treatment and winter storage, and constructing a spray irrigation system.

NAME 0F RECIPIENT	**Whitefish, City of**	
TYPE OF PROJECT	Wastewater System Improvements	
FUNDING	$ 500,000	TSEP Grant
	$ 110,000	RRGL Grants
	$ 198,530	SRF Loan
	$ 226,683	Local Funds
TOTAL	$1,035,213	

PROJECT SUMMARY: The city's wastewater system had the following deficiencies: the aeration diffusers suffered from frequent fouling, the blowers and some aeration piping were in need of replacement and up-sizing, and heavy sludge accumulations in the lagoons reduced detention times and exerted an oxygen demand that took away available oxygen for wastewater treatment. *The project consisted of installing new blowers, replacing and up-sizing aeration lines, adding control valves, installing new, fine-bubble diffuser units in all three aeration cells, and removing, de-watering and disposing of accumulated sludge from the treatment basins.*

NAME 0F RECIPIENT	**Whitewater Water and Sewer District (Philips County)**	
TYPE OF PROJECT	Wastewater System Improvements	
FUNDING	$ 500,000	TSEP Grant
	$ 236,895	CDBG Grant
	$ 100,000	RRGL Grant
	$ 100,000	Local Funds
	$ 120,000	SRF Loan
TOTAL	$1,056,895	

PROJECT SUMMARY: The district lacked a centralized wastewater system and had the following problems: failing septic systems, shallow drinking water wells, high groundwater table, and many of the existing septic systems violated the state requirement of 100' of separation between drain fields and wells. *The project consisted of abandoning existing septic systems by draining and filling the tanks with sand, installing a gravity collection system, installing gravity out-fall lines from the collection system to a new central treatment facility (if topography will not permit the use of the gravity flow, a sewer lift station and force main would be installed), and constructing a new central wastewater treatment facility consisting of a total retention lagoon.*

NAME 0F RECIPIENT	**Yellowstone, County of**	
TYPE OF PROJECT	Bridge System Improvements	
FUNDING	$ 300,000	TSEP Grant
	$ 320,761	Local Funds
TOTAL	$ 620,761	

PROJECT SUMMARY: The county had two bridges (Shiloh Road Bridge and South 32nd Street West Bridge) with a variety of deficiencies. *The project consisted of replacing both bridges.*

Projects Approved by the 2003 Legislature

Fifty-five applications requesting $21,902,149 in TSEP funds were submitted for the 2005 biennium. The 2003 Legislature approved $15,653,331 in TSEP grant funds for forty projects.

NAME 0F RECIPIENT	**Beaverhead County District (Wisdom)**
TYPE OF PROJECT	Wastewater System Improvements

FUNDING	$ 500,000	TSEP Grant
	$ 500,000	CDBG Grant
	$ 100,000	RRGL Grant
	$ 74,700	RD Grant
	$ 91,300	RD Loan
TOTAL	$1,266,000	

PROJECT SUMMARY: The district's wastewater system has the following deficiencies: an undersized treatment facility, discharge of untreated wastewater, and leaking lagoon cells that potentially will contaminate the groundwater. *Major elements of the project include: rehabilitating and lining two existing cells, constructing one additional lined treatment/storage pond, and installing an irrigation system for land discharge.*

PROJECT STATUS: Construction is nearing completion.

NAME 0F RECIPIENT Black Eagle District

TYPE OF PROJECT	Wastewater System Improvements	
FUNDING	$ 214,200	TSEP Grant
	$ 214,200	Local Funds
TOTAL	$ 428,400	

PROJECT SUMMARY: The district's wastewater system had the following deficiencies: clay tile pipe without gaskets allowing leakage, inflow infiltration and root problems, and occasional back-ups into homes, and crumbling manholes. *The project consisted of replacing 3920' of sewer main and six manholes.*

NAME 0F RECIPIENT Blaine County

TYPE OF PROJECT	Bridge System Improvements	
FUNDING	$ 322,782	TSEP Grant
	$ 157,782	Local Funds
	$ 165,000	In-Kind
TOTAL	$ 645,564	

PROJECT SUMMARY: The county had two bridges (Snake Creek Bridge and Harlem Canal Bridge with a variety of deficiencies. *The project consisted of replacing both bridges.*

NAME 0F RECIPIENT Cascade County

TYPE OF PROJECT	Bridge System Improvements	
FUNDING	$ 230,840	TSEP Grant
	$ 210,515	Intercap Loan
	$ 27,325	Local Funds
TOTAL	$ 468,680	

PROJECT SUMMARY: The Eden Bridge was a one-lane bridge with numerous structural deficits. *The project consisted of replacing the bridge.*

NAME 0F RECIPIENT Chinook, City of

TYPE OF PROJECT	Wastewater System Improvements	
FUNDING	$ 500,000	TSEP Grant
	$1,300,000	RD Grant
	$1,500,000	RD Loan
	$ 23,073	Local Funds
TOTAL	$3,323,073	

PROJECT SUMMARY: The city's wastewater system had the following deficiencies: screw pumps inadequate, only one secondary clarifier, cracked drying beds, collection system had low areas, and an

unreliable emergency generator. *The project consisted of replacing the screw pumps, constructing a building over the pump station, installing an influent flow meter and two new mixers, constructing a secondary clarifier, and replacing high priority mains and manholes.*

NAME 0F RECIPIENT	**Conrad, City of**	
TYPE OF PROJECT	Water System Improvements	
FUNDING	$ 500,000	TSEP Grant
	$ 100,000	RRGL Grant
	$1,350,000	STAG Grant
	$ 400,000	RD Grant
	$ 672,800	RD Loan
	$1,000,000	WRDA Grant
TOTAL	$4,022,800	

PROJECT SUMMARY: The city's water system has the following deficiencies: blockage of intake screens causing loss of intake, location of intake limited and sometimes non-existent during drought years. *The project consisted of constructing a new intake on Lake Francis, a new pump station and wet well on the south side of Lake Francis, an intake backwash, and 11,000' of transmission main.*

NAME 0F RECIPIENT	**Cooke City – Park County District**	
TYPE OF PROJECT	Water System Improvements	
FUNDING	$ 500,000	TSEP Grant
	$ 100,000	RRGL Grant
	$ 782,000	RD Loan
TOTAL	$1,382,000	

PROJECT SUMMARY: The district's water system has the following deficiencies: a spring classified as groundwater directly under the influence of surface water, shallow mains that tend to freeze, distribution system leaks, inadequate storage, and inadequate water supply causing the use of surface water requiring boil orders for safe consumption to meet demand. *The project consisted of replacing 7,000' of older mains and looping dead-ends, constructing a new 223,000-gallon buried steel water tank, drilling three new wells and installing meters on all service lines.*

NAME 0F RECIPIENT	**Ekalaka, Town of**	
TYPE OF PROJECT	Wastewater System Improvements	
FUNDING	$ 154,197	TSEP Grant
	$ 212,697	CDBG Grant
	$ 5,000	CDBG/TA Grant
	$ 5,000	Local Funds
TOTAL	$ 376,894	

PROJECT SUMMARY: The town's wastewater system had the following deficiencies: shallow lines that froze and caused back-ups in homes, high O&M costs for the lagoon, inadequate quality monitoring and no final effluent disinfection. *The project consisted of video inspecting of all lines, replacing the shallow lines, installing static tube aeration in the lagoon and a UV disinfection system.*

NAME 0F RECIPIENT	**Gallatin County**	
TYPE OF PROJECT	Bridge System Improvements	
FUNDING	$ 500,000	TSEP Grant
	$ 515,400	Local Funds
TOTAL	$1,015,400	

PROJECT SUMMARY: The county has three bridges (Cameron Bridge, Ice Pond Road Bridge and Story Hill Bridge) with a variety of deficiencies. *The project consisted of replacing two of the bridges. The Ice Pond Bridge was eliminated from the scope of work because of issues with adjacent land owners.*

NAME 0F RECIPIENT **Gardiner/Park County District**

TYPE OF PROJECT	Water System Improvements	
FUNDING	$ 500,000	TSEP Grant
	$ 100,000	RRGL Grant
	$1,067,100	SRF Loan
	$ 16,700	Local Funds
TOTAL	$1,583,800	

PROJECT SUMMARY: The district's water system has the following deficiencies: arsenic contamination is excess of the EPA maximum contaminant level and the storage tank located in Yellowstone National Park does not maintain sufficient water during high demand periods due to undersized transmission mains. *The project consisted of constructing an arsenic treatment plant and installing an additional 2,250' of 8" transmission main.*

NAME 0F RECIPIENT **Geraldine, Town of**

TYPE OF PROJECT	Water System Improvements	
FUNDING	$ 500,000	TSEP Grant
	$ 500,000	CDBG Grant
	$ 100,000	RRGL Grant
	$ 25,000	Local Funds
	$ 135,600	RD Loan
TOTAL	$1,235,660	

PROJECT SUMMARY: The town's water system has the following deficiencies: insufficient supply and storage, undersized piping and a well with objectionable taste, odor, excessive mineral concentrations including fluoride, and violate EPA's primary and secondary drinking water regulations. *The project consisted of constructing a 200,000-gallon storage tank, replacing undersized mains, and drilling a new well.*

NAME 0F RECIPIENT **Glendive, City of**

TYPE OF PROJECT	Stormwater System Improvements	
FUNDING	$ 139,133	TSEP Grant
	$ 133,500	BNSF Funds
	$ 32,450	Local Funds
TOTAL	$ 305,083	

PROJECT SUMMARY: The city's stormwater system had the following deficiencies: sediment from erosion of surrounding hills restricted the volume of stormwater that Rosser Ditch could handle causing flooding of adjacent areas, overloading the sanitary sewer system causing discharges. The flooding of adjacent areas was compounded by the fact BNSF rail yard would flood resulting in petro-chemicals being carried into the adjacent neighborhood. *The project consisted of constructing three basins to collect the sediment before it reached Rosser Ditch.*

NAME 0F RECIPIENT **Hamilton, City of**

TYPE OF PROJECT	Water System Improvements	
FUNDING	$ 500,000	TSEP Grant
	$ 500,000	CDBG Grant
	$ 100,000	RRGL Grant
	$ 846,787	SRF Loan
	$ 17,500	Local Funds
	$ 7,500	TSEP/PER
TOTAL	$1,971,787	

PROJECT SUMMARY: The city's water system had the following deficiencies: aged and undersized leaking pipes, undersized storage tank and outdated wells without wellhead protection. *The project consisted of constructing a new well house, drilling three new wells, installing new mains and replacing*

existing mains, installing five fire hydrants, constructing a one million-gallon reservoir and metering all service connections.

NAME 0F RECIPIENT **Hill County**

TYPE OF PROJECT	Bridge System Improvements	
FUNDING	$ 175,803	TSEP Grant
	$ 100,000	Local Funds
	$ 84,881	In-Kind
TOTAL	$ 360,684	

PROJECT SUMMARY: The county had three bridges (Quarter Gulch Bridge, Big Hook Bridge and Wanke Bridge) with a variety of deficiencies. *The project consisted of replacing all three bridges.*

NAME 0F RECIPIENT **Jordan, Town of**

TYPE OF PROJECT	Water System Improvements	
FUNDING	$ 459,883	TSEP Grant
	$ 291,060	MDT Grant
	$ 463,838	RD Grant
	$ 14,200	Local Funds
TOTAL	$1,228,981	

PROJECT SUMMARY: The town's water system had the following deficiencies: a single groundwater supply, petroleum hydrocarbon induced gasket failure in supply lines, undersized distribution mains, low service pressure, dead end lines, a deteriorating storage tank, and no back-up power. *The project consisted of drilling an additional well, installing chlorination equipment, replacing 7,000' of water mains and installing auxiliary power sources.*

NAME 0F RECIPIENT **Judith Basin County/Geyser District**

TYPE OF PROJECT	Water System Improvements	
FUNDING	$ 330,000	TSEP Grant
	$ 308,000	CDBG Grant
	$ 100,000	RRGL Grant
	$ 292,000	RD Grant
	$ 219,000	RD Loan
TOTAL	$1,249,000	

PROJECT SUMMARY: The district's water system has the following deficiencies: inadequate supply and storage, no storage for emergency or fire flow conditions, only one supply well, undersized distribution mains, reduce capacity from wells, poor water quality, no auxiliary power and no water meters. *The project consisted of drilling two new wells, constructing a 67,000-gallon water tank, and installing 11 fire hydrants, 5,700' of distribution lines and 53 water meters.*

NAME 0F RECIPIENT **Lake County Solid Waste District**

TYPE OF PROJECT	Solid Waste System Improvements	
FUNDING	$ 500,000	TSEP Grant
	$1,056,818	Local Funds
	$ 640,182	Intercap Loan
TOTAL	$2,197,000	

PROJECT SUMMARY: The district's solid waste system had the following deficiencies: landfill disposal space was projected to be gone by 2005, and DEQ regulations would not allow the existing landfill to be expanded because it was located in a geologically unstable area subject to seismic activity. *The project consisted of constructing a transfer station so the solid waste can be transported the Missoula landfill.*

NAME 0F RECIPIENT **Lewis and Clark County**

TYPE OF PROJECT Bridge System Improvements

FUNDING	$ 170,575	TSEP Grant
	$ 170,575	Local Funds
TOTAL	$ 341,150	

PROJECT SUMMARY: The county had three bridges (Lake Helena Drive Bridge, John G. Mine Road Bridge and Stemple Pass Road Bridge) with a variety of deficiencies. *The project consisted of replacing the three bridges.*

NAME 0F RECIPIENT Libby, City of

TYPE OF PROJECT	Water and Wastewater System Improvements	
FUNDING	$ 500,000	TSEP Grant
	$ 100,000	RRGL Grant
	$ 241,275	Intercap Loan
	$ 380,000	Local Funds
TOTAL	$1,221,275	

PROJECT SUMMARY: The Johnson Acres neighborhood adjacent to the city had the following problems: a centralized wastewater system was not available in the area, water lines were undersized and leaking, improperly placed mains and lines, inadequate fire flows and portions of the system were located on private property without easements. *The project consisted of extending city sewer into the area, abandoning 105 existing septic tanks, extending city water service into the area, installing eight new fire hydrants, and replacing under-sized water transmission main with 1,440' of 12" pipe.*

NAME 0F RECIPIENT Madison County

TYPE OF PROJECT	Bridge System Improvements	
FUNDING	$ 174,529	TSEP Grant
	$ 174,529	Local Funds
TOTAL	$ 349,058	

PROJECT SUMMARY: The county had three bridges (First South Boulder Road Bridge, Second South Boulder Road Bridge and South Willow Creek Bridge) with a variety of deficiencies. *The project consisted of replacing all three bridges.*

NAME 0F RECIPIENT Missoula, City of

TYPE OF PROJECT	Wastewater System Improvements	
FUNDING	$ 500,000	TSEP Grant
	$ 100,000	RRGL Grant
	$1,013,267	Local Funds
	$4,202,000	SRF
	$ 181,000	RD Loan
TOTAL	$5,825,267	

PROJECT SUMMARY: The Rattlesnake Valley area of the City of Missoula has the following problems: the area has a significant number of on-site wastewater treatment systems that are inadequate and/or that have failed, and are polluting the city's sole source aquifer and causing high nutrient loading of the Clark Fork River. *The project would consist of constructing collector lines that would be connected to the city's wastewater system.*

PROJECT STATUS: The contract has been signed, but lawsuits have delayed the commitment of a STAG grant that was obtained for the project; therefore, TSEP funds cannot be committed until the STAG funds are released.

NAME 0F RECIPIENT Missoula County

TYPE OF PROJECT	Wastewater System Improvements	
FUNDING	$ 499,335	TSEP Grant
	$ 100,000	RRGL Grant

	$ 584,320	RSID Loan
	$ 617,670	STAG
	$ 231,170	Missoula Water Quality District
TOTAL	$2,032,495	

PROJECT SUMMARY: The county's four sub-district wastewater systems in the Mullan Road corridor had the following deficiencies: inadequate aeration, leakage of treatment and storage facilities, inadequate treatment of effluent, some ageing septic tanks, and drainfield failure. *The project consisted of inspecting and repairing existing mains and lines, and installing gravity mains and collection lines to connect the sub-districts to the sewer trunk line.*

NAME 0F RECIPIENT **Pablo – Lake County Water and Sewer District**

TYPE OF PROJECT	Wastewater System Improvements	
FUNDING	$ 500,000	TSEP Grant
	$ 500,000	CDBG Grant
	$ 100,000	RRGL Grant
	$1,040,282	RD Grant
	$1,040,282	RD Loan
TOTAL	$3,180,564	

PROJECT SUMMARY: The district's wastewater system has the following deficiencies: an undersized treatment system, and a directive from the Confederated Salish and Kootenai Tribes to eliminate the use of rapid infiltration cells if the system is expanded. *Major elements of the project include: the abandoning the rapid infiltration cells, constructing three new storage cells and a spray irrigation pumping facility, and expanding the spray irrigation system.*

PROJECT STATUS: Design complete and expecting to go to bid early in 2007.

NAME 0F RECIPIENT **Phillips County Green Meadows District**

TYPE OF PROJECT	Water System Improvements	
FUNDING	$ 112,500	TSEP Grant
	$ 100,000	RRGL Grant
	$ 42,900	SRF Loan
TOTAL	$ 255,400	

PROJECT SUMMARY: The district's water system had the following deficiencies: untreated, insufficient water supply, undersized mains, dead-end lines, and undersized storage tank. *The project consisted of abandoning the present system, connecting to the City of Malta's water system with a new 8" looped distribution system and the installation of meters on all services.*

NAME 0F RECIPIENT **Polson, City of**

TYPE OF PROJECT	Water System Improvements	
FUNDING	$ 500,000	TSEP Grant
	$ 589,418	SRF Loan
	$ 147,500	Local Funds
TOTAL	$1,236,918	

PROJECT SUMMARY: The city's water system had the following deficiencies: could not meet peak demands, low pressures due to storage drop during peak flows, and limited firefighting capacity. *The project consisted of constructing a water main that crosses the Flathead River in order to connect an existing well and storage facility.*

NAME 0F RECIPIENT **Pondera County**

TYPE OF PROJECT	Bridge System Improvements	
FUNDING	$ 137,500	TSEP Grant
	$ 137,000	Local Funds

TOTAL	$ 275,000	

PROJECT SUMMARY: The Theatre #1 Bridge had rotting wood and a sagging deck. *The project consisted of replacing the bridge.*

NAME 0F RECIPIENT **Power-Teton County District**

TYPE OF PROJECT	Water System Improvements	
FUNDING	$ 500,000	TSEP Grant
	$ 100,000	RRGL Grant
	$ 339,900	SRF Loan
TOTAL	$ 939,900	

PROJECT SUMMARY: The district's water system had the following deficiencies: high-organic concentrations resulting in by-product violations, no storage for emergency or fire flow, lack of storage capacity, undersized distribution lines, no auxiliary power, and dead-end lines. *The project consisted of constructing a pre-sedimentation basin, a 250,000-gallon storage tank with transmission lines and high priority distribution lines.*

NAME 0F RECIPIENT **Ramsay County District**

TYPE OF PROJECT	Water System Improvements	
FUNDING	$ 255,000	TSEP Grant
	$ 100,000	RRGL Grant
	$ 164,000	RD Loan
TOTAL	$ 519,000	

PROJECT SUMMARY: The district's water system has the following deficiencies: wells with no wellhead protection located in close proximity to potential source of pollution, low water pressure, lack of continuous disinfection, inadequate storage and inoperable valves and hydrants. *Major elements of the project include: replacing undersized mains, installing five new hydrants and valves, drilling two new wells away from contamination, and installing meters.*

PROJECT STATUS: In design.

NAME 0F RECIPIENT **Richland County**

TYPE OF PROJECT	Bridge System Improvements	
FUNDING	$ 351,625	TSEP Grant
	$ 351,625	Local Funds
TOTAL	$ 703,250	

PROJECT SUMMARY: The county has four bridges (West Finnicum Bridge, East Palmer Bridge, Vournas Bridge and East Carlson Bridge) with a variety of deficiencies. *The project consists of replacing all four bridges.*

PROJECT STATUS: The West Finnicum Bridge was completed the summer of 2004. The East Carlson Bridge is waiting for good weather to begin construction while the East Palmer will be built by the county and is waiting for the bridge to be delivered. The Vournas Bridge will be bid out for construction in 2007.

NAME 0F RECIPIENT **Ryegate, Town of**

TYPE OF PROJECT	Water System Improvements	
FUNDING	$ 478,700	TSEP Grant
	$ 190,000	BOR Grant
	$ 100,000	RRGL Grant
	$ 278,800	RD Loan
TOTAL	$1,047,500	

PROJECT SUMMARY: The town's water system has the following deficiencies: the water source is designated GWUDISW, fecal coliform bacteria has been detected, the infiltration gallery capacity has decreased, and there is inadequate storage to meet fire protection requirements. *Major elements of the project include: drilling two to three new wells, replacing cast iron pipe with PVC pipe, installing 10 new fire hydrants, conducting a structural inspection of the storage tank and metering service connections.*

PROJECT STATUS: The scope of the project was modified because the new wells could not provide adequate water. The town modified the infiltration gallery and installed meters. The water from the infiltration gallery is being analyzed to determine what treatment is required.

NAME 0F RECIPIENT	**Scobey, City of**	
TYPE OF PROJECT	Wastewater System Improvements	
FUNDING	$ 500,000	TSEP Grant
	$ 100,000	RRGL Grant
	$ 130,000	Local Funds
	$1,206,000	SRF Loan
TOTAL	$1,936,000	

PROJECT SUMMARY: The city's wastewater system had the following deficiencies: an undersized single cell lagoon had leaks, inoperable control structures, valves and outlet/inlet piping, clay tile pipe collection lines had many problems. *The project consisted of reconfiguring the treatment facility to a two-cell lined storage and spray irrigation, replacing seven manholes, replacing a portion of the mains, and constructing an equipment building.*

NAME 0F RECIPIENT	**Sheaver's Creek District**	
TYPE OF PROJECT	Water System Improvements	
FUNDING	$ 500,000	TSEP Grant
	$ 100,000	RRGL Grant
	$ 39,000	RD Loan
	$ 327,250	RD Loan
	$ 981,750	RD Grant
TOTAL	$1,948,000	

PROJECT SUMMARY: The district's water system has the following deficiencies: fluoride levels exceeding EPA maximum contaminant level, possible spring under the influence of surface water, unburied transmission line, storage tank with no cover, undersized distribution mains, leaking distribution lines, inadequate storage, no fire service or hydrants, pressures below 20 psi, and no easements for repair. *The major components of the project include: Drilling three new wells, installing approximately 19,000'of mains, installing approximately 118 new services and meters, constructing a 140,000 gallon storage tank, and installing approximately 30 fire hydrants. TSEP funds will be used to pay for the drilling of one new well, constructing the storage tank, and installing the fire hydrants.*

PROJECT STATUS: The first phase is under construction. The second phase, which is funded by TSEP, is in final design.

NAME 0F RECIPIENT	**Sheridan County**	
TYPE OF PROJECT	Bridge System Improvements	
FUNDING	$ 210,775	TSEP Grant
	$ 210,775	Local Funds
TOTAL	$ 421,550	

PROJECT SUMMARY: The county has eight bridges (Rovig Bridge, East Twin Bridge, Dale Drawbond Bridge, Eagle Creek Bridge, Don Johnson Bridge, East and West Orvis Nelson Bridges, and North Dagmar Bridge) with a variety of deficiencies. *The project consists of replacing all eight bridges.*

PROJECT STATUS: Construction is complete on the East & West Orvis Nelson Bridges, North Dagmar,

and Don Johnson. Work on the remaining bridges cannot start until spring 2007 due to extreme weather conditions.

NAME 0F RECIPIENT **Stanford, Town of**

TYPE OF PROJECT	Water System Improvements	
FUNDING	$ 500,000	TSEP Grant
	$ 100,000	RRGL Grant
	$ 192,000	RD Grant
	$1,144,900	RD Loan
TOTAL	$1,764,100	

PROJECT SUMMARY: The town's water system has the following deficiencies: supply cannot meet average daily demand, water quality is poor, inadequate pressure, and 29 fire hydrants are 74 years old with inadequate size, leakage and some are inoperable. *Major elements of the project include: drilling two new wells, rehabilitating existing wells, constructing a 316,000-gallon storage tank and 3200' of distribution lines, and replacing 29 fire hydrants.*

PROJECT STATUS: Under construction and is expected to be completed in 2007.

NAME 0F RECIPIENT **Stillwater County**

TYPE OF PROJECT	Bridge System Improvements	
FUNDING	$ 500,000	TSEP Grant
	$ 450,000	Local Funds
	$ 19,134	In-Kind
TOTAL	$ 919,134	

PROJECT SUMMARY: The county had five bridges (West Rosebud Creek Bridge, Grove Creek Bridge, Limestone Creek Bridge Pope Road Bridge and Youngs Point Road Bridge) with a variety of deficiencies. *The project consisted of replacing all five bridges.*

NAME 0F RECIPIENT **Sweet Grass County**

TYPE OF PROJECT	Bridge System Improvements	
FUNDING	$ 235,954	TSEP Grant
	$ 184,254	Local Funds
	$ 51,700	In-Kind
TOTAL	$ 471,908	

PROJECT SUMMARY: The county has three bridges (Big Timber Creek Bridge, Bridger Creek Road Bridge Stock Pass Crossing and Bridger Creek Road Bridge) with a variety of deficiencies. *The project consists of replacing all three bridges.*

PROJECT STATUS: Under construction and expected to be completed in spring 2007.

NAME 0F RECIPIENT **Troy, City of**

TYPE OF PROJECT	Water System Improvements	
FUNDING	$ 500,000	TSEP Grant
	$ 400,000	CDBG Grant
	$ 100,000	RRGL Grant
	$ 400,000	RD Grant
	$ 630,800	RD Loan
TOTAL	$2,030,800	

PROJECT SUMMARY: The city's water system has the following deficiencies: leakage causing loss of nearly half of the supply, inadequate storage, lack of metering, and contamination from a shallow well. *Major elements of the project include: drilling a new well, adding a disinfection system replacing 2,000' of*

main and 18,000' of service line, constructing a 180,000-gallon storage tank, and installing meters on all service connections.

PROJECT STATUS: Under construction and is expected to be completed in 2007.

NAME 0F RECIPIENT	**Upper-Lower River Road District**	
TYPE OF PROJECT	Water and Wastewater System	
FUNDING	$ 500,000	TSEP Grant
	$ 500,000	State CDBG Grant
	$ 332,000	City CDBG Grant
	$ 100,000	RRGL Grant
	$ 867,300	STAG Grant
	$ 585,768	SRF Loan
TOTAL	$2,885,068	

PROJECT SUMMARY: The district's water and wastewater system has the following water and wastewater deficiency: on-site wastewater systems causing high levels of nitrate and ammonia in drinking water wells. *The scope of the project was modified to allow the district to phase the project, and in this first phase, connect only a part of the district. The project consisted of constructing water and sewer mains that are connected to the City of Great Falls water and sewer systems, constructing distribution and collection lines, and installing water meters.*

NAME 0F RECIPIENT	**Wolf Point, City of**	
TYPE OF PROJECT	Water System Improvements	
FUNDING	$ 500,000	TSEP Grant
	$1,180,000	RD Loan
	$ 246,500	Local Funds
	$ 40,000	Tribal Funds
TOTAL	$1,966,500	

PROJECT SUMMARY: The city's wastewater system had the following deficiencies: an offensive odor, sludge build-up, and discharged at a marginally acceptable rate. *The project consisted of removing sludge, splitting the existing second cell to form a three-cell system, with two aerated cells and a polishing pond.*

NAME 0F RECIPIENT	**Worden – Ballentine District**	
TYPE OF PROJECT	Water System Improvements	
FUNDING	$ 500,000	TSEP Grant
	$ 100,000	RRGL Grant
	$ 24,222	Local Funds
	$ 850,300	SRF Loan
TOTAL	$1,474,522	

PROJECT SUMMARY: The district's water system had the following deficiencies: potential for backflow of raw water from the nearby creek, undersized pipelines, inadequate fire protections, aged pumps, undersized storage tank and no back-up water source. *The project consisted of videoing the source drain, drilling a well, constructing a chlorination facility, installing a new pump, adding a back-up generator, constructing a 200,000-gallon storage tank, and adding 8,000' of line, 21 valves and four hydrants.*

Projects Approved by the 2005 Legislature

Forty-seven applications requesting $18,551,674 in TSEP funds were submitted for the 2007 biennium. The 2005 Legislature approved $17,688,475 in TSEP grant funds for forty-two projects.

NAME 0F RECIPIENT **Beaverhead County**

TYPE OF PROJECT	Bridge System Improvements	
FUNDING	$ 84,886	TSEP Grant
	$ 84,886	Local Funds
TOTAL	$ 169,772	

PROJECT SUMMARY: The 3rd Avenue Bridge has a variety of deficiencies. *The project consists of replacing the existing bridge.*

PROJECT STATUS: Under contract, but no other start-up conditions have been met. In design.

NAME OF RECIPIENT **Big Fork County Water and Sewer District**

TYPE OF PROJECT	New Wastewater System	
FUNDING	$ 460,000	TSEP Grant
	$ 272,100	SRF Loan
TOTAL	$ 732,060	

PROJECT SUMMARY: Mayport Harbor is located between the Flathead River and the District, and has the following problems: individual septic tank systems, phosphorous breakthrough is potentially occurring in certain locations, the area is subject to high groundwater, poorly treated sewage is potentially degrading state waters, lot sizes are less than the minimum required for onsite sewer, setbacks from surface water are less than the minimum distance required, and the systems are in flood prone areas. *Major elements of the project include: installing approximately 4,500'of 4" PVC service lines; 3,350' of 8" PVC gravity main; and 1,000' of 4" PVC force main connecting the Mayport Harbor area to the District's wastewater system, and constructing a lift station.*

PROJECT STATUS: Under contract, completing remaining start-up requirements. In design.

NAME OF RECIPIENT **Big Horn County**

TYPE OF PROJECT	Bridge System Improvements	
FUNDING	$ 142,500	TSEP Grant
	$ 90,450	Local Funds
	$ 52,050	In-kind
TOTAL	$ 285,000	

PROJECT SUMMARY: The Tullock Creek Bridge has a variety of deficiencies. *The project consists of replacing the existing bridge.*

PROJECT STATUS: Under contract, completing remaining start-up requirements. Project has been bid. Construction expected to begin in the fall of 2006 or spring of 2007.

NAME OF RECIPIENT **Carbon County**

TYPE OF PROJECT	Bridge System Improvements	
FUNDING	$ 97,100	TSEP Grant
	$ 112,100	Local Funds
	$ 15,000	TSEP PER Grant
TOTAL	$ 194,200	

PROJECT SUMMARY: The Fox Bridge has a variety of deficiencies. *The project consists of replacing the existing bridge.*

PROJECT STATUS: Under construction.

NAME OF RECIPIENT **Carter Chouteau County Water and Sewer District**

TYPE OF PROJECT	Water System Improvements	
FUNDING	$ 500,000	TSEP Grant

	$ 100,000	RRGL Grant
	$ 344,600	RD Loan
	$ 350,000	RD Grant
TOTAL	$1,294,600	

PROJECT SUMMARY: The district's water system has the following deficiencies: the infiltration gallery that serves as the source of supply has been designated as "groundwater under the direct influence of surface water", arsenic level is 33 ug/L, which is over three times the maximum allowed by the Safe Water Drinking Act, manganese level is 0.36 mg/L, which is over seven times the maximum allowed by the Safe Water Drinking Act, cracking of the PVC distribution pipe, with over 50 leaks in the past two years, total loss of water to users over extended periods when repairing leaks, pump house #2 is constructed on clay material with a poor foundation footprint, access to the pump house can be difficult during the winter due to drifting snow, and the chlorine contact time prior to the first service connection is insufficient to guarantee drinking water safe from waterborne pathogens. *Major elements of the project include: install point-of-use devices on each service connection (to remove arsenic), install sample pump and sample line, chlorine residual monitor, turbidity monitor, flow meter, and an in-line ultraviolet disinfection unit in the infiltration gallery pump house, install approximately 80' of 24" pipe prior to the first service connection, install water meters on all service lines, relocate pump house #2, replace approximately 4,000' of 6" main line between pump house #2 and pump house #3, and replace approximately 32,000' of 3" and 4" main line between pump house #3 and pump house #4.*

PROJECT STATUS: The water mains and associated work are under construction, and waiting to bid the POU's.

NAME OF RECIPIENT Cascade, Town of

TYPE OF PROJECT	Water System Improvements	
FUNDING	$ 500,000	TSEP Grant
	$ 500,000	CDBG Grant
	$ 100,000	DNRC Grant
	$ 154,000	Local Funds
TOTAL	$1,254,000	

PROJECT SUMMARY: The Town's water system has the following deficiencies: over half of the water distribution system is comprised of leaky and undersized steel and cast iron water mains (tests have shown them to flow 10 times less than the recommended ISO fire flow requirements, and 70% are 4" or smaller and are in violation of the Department of Environmental Quality standards), a computer model of the system indicates negative pressures could be experienced in the system during high water demand periods, which increases the likelihood of contaminates being introduced into the system, 19 fire hydrants are 1913 vintage with 2.5" nozzles that are inoperable or leak excessively, and many cannot be connected to the Town's fire fighting equipment, storage is inadequate for emergency demand and fire protection, no auxiliary power is available, and the distribution system is experiencing problems with tuberculation on the interior of the pipes, resulting in constriction of flow. *Major elements of the project include: replace 19 fire hydrants with 6" hydrants, construct approximately 4,000' of core transmission line to the school, commercial and downtown areas using 10" main, construct a new 273,000 gallon buried concrete storage reservoir, install new telemetry controls for the wells and water storage reservoir, and install a portable generator for emergency operation of the existing wells.*

PROJECT STATUS: In design and bid documents are being reviewed.

NAME OF RECIPIENT Choteau, City of

TYPE OF PROJECT	Water System Improvements	
FUNDING	$ 500,000	TSEP Grant
	$ 100,000	RRGL Grant
	$ 140,000	RD Grant
	$1,160,000	RD Loan
	$ 20,000	Local Funds

TOTAL	$1,920,000	

PROJECT SUMMARY: The City's water system has the following deficiencies: the four water sources are susceptible to contamination, the four water sources combine in the Water Works pump house before distribution, therefore contamination of any one of the sources could result in the potential contamination of the entire water supply, the Water Works wet well is deteriorating, and cannot be repaired until an alternative water supply is established, the system experiences excessive water loss due to leaking distribution lines, access to the water supply storage tanks is relatively unrestricted, resulting in a potential security risk, and vents and improperly constructed access ways to the tanks provide a potential for contamination from outside sources. *The project consisted of constructing a new independent pump house and chlorination treatment system at the Richem pump house, renovating the Water Works pump house and wet well, replacing approximately 10,000' of old cast iron mains with 8" and 10" PVC distribution lines, installing a 6' chain link fence with three strand barbed wire around perimeter of the storage tanks, and upgrading instrumentation and controls.*

NAME OF RECIPIENT Conrad, City of

TYPE OF PROJECT	Wastewater System Improvements	
FUNDING	$ 500,000	TSEP Grant
	$1,170,000	SRF Loan
	$ 27,700	Local Funds
TOTAL	$1,697,700	

PROJECT SUMMARY: The City's wastewater system has the following deficiencies: treatment facility is in excess of its 20-year life expectancy, with some mechanical portions as old as 35 years, frequent and reoccurring effluent permit violations for biochemical oxygen demand (BOD) and total suspended solids (TSS), despite an active flow management program that attempts to minimize spring turnover effects, sludge level accumulation in the primary cell exceeds 6' in depth and has recently created a visible sludge "beach" near the cell inlet, and sludge depth in the two facultative cells exceeds 3'. *Major elements of the project include: construct a partially-mixed aerated lagoon system, install ultraviolet disinfection facilities, and dewater, remove, and land apply the accumulated sludge.*

PROJECT STATUS: In design.

NAME OF RECIPIENT Crow Tribe

TYPE OF PROJECT	Wastewater System Improvements in Crow Agency	
FUNDING	$ 500,000	TSEP Grant
	$1,248,785	RD Grant/Loan
	$ 357,000	IHS Grant
	$ 100,000	Coal Board Grant
	$ 267,000	EPA Grant
TOTAL	$2,472,785	

PROJECT SUMMARY: The wastewater system in Crow Agency has the following deficiencies: system is not sized to accommodate the design peak flow without surcharging, approximately 5,750' of mains are 4" or 6" diameter (minimum of 8" is required), approximately 17,250' of the mains have been installed at less than the required slope, deteriorated mains and manholes as evidenced by cracked pipes, root penetration, sagging lines, offset joints, crumbling manhole barrels, missing steps and settling, master lift stations, which lifts wastewater to the treatment lagoons, has inadequate capacity, and the dry pit side of one of the two lift stations was totally filled with water when recently observed (these would be combined into a single lift station when replaced). *Major elements of the project include: construct a new sewer interceptor through Crow Agency, and replace the west and master lift stations.*

PROJECT STATUS: Under contract, completing remaining start-up conditions. In design.

NAME OF RECIPEINT Custer Area – Yellowstone County Water and Sewer District

TYPE OF PROJECT Wastewater System Improvements

FUNDING	$ 500,000	TSEP Grant
	$ 500,000	CDBG Grant
	$ 117,894	SRF Loan
	$ 75,000	Coal Board Grant
	$ 100,000	DNRC Grant
	$ 14,343	TSEP PER Grant
	$ 14,053	Local Funds
TOTAL	$1,307,237	

PROJECT SUMMARY: The District's wastewater system has the following deficiencies: undersized, leaking, and deteriorating lift station, lift station lacks flow meter, straining mechanism or grinding mechanism, lagoons are leaking approximately 84% of the wastewater that enters, less than five days detention time in the lagoons causes untreated wastewater to directly enter the groundwater, there is a major inflow and infiltration problem in the wastewater collection system, and the amount of flow in the wastewater system varies with the water table resulting in untreated wastewater seeping into the ground water from the collection system. *Major elements of the project include: construct a new lift station, video inspect the collection lines and clean as needed, replace clay tile pipe with approximately 4,000' of 8" PVC pipe, install approximately 2,650' of force main to the lagoons, and restructure the current lagoon cells into two lined facultative lagoons and infiltration/percolation ponds.*

PROJECT STATUS: New pumps have been installed, and the new lift station is fully operational.

NAME OF RECIPIENT Dodson, Town of

TYPE OF PROJECT	Wastewater System Improvements	
FUNDING	$ 427,500	TSEP Grant
	$ 443,150	CDBG Grant
	$ 100,000	RRGL Grant
	$ 88,212	SRF Loan
TOTAL	$1,058,862	

PROJECT SUMMARY: The Town's wastewater system has the following deficiencies: existing single-cell lagoon does not meet the Department of Environmental Quality (DEQ) requirements for a minimum of three treatment cells, inlet pipe to the lagoon is located too near the discharge, sludge has accumulated to a depth of 1.6' in the lagoon, existing treatment pond detention time for current flows is 120 days, resulting in insufficient treatment prior to discharge, over a dozen biochemical oxygen demand (BOD) and total suspended solids violations since 1994, present treatment system will not meet the proposed fecal or ammonia limits proposed for the upcoming 2006 permit, and existing lift station is substandard. *Major elements of the project include: install a new lift station and replace the existing lagoon with a two-cell total retention lagoon.*

PROJECT STATUS: Bid was awarded and construction will begin in winter 2006/07.

NAME OF RECIPIENT Ennis, Town of

TYPE OF PROJECT	Wastewater System Improvements	
FUNDING	$ 204,894	TSEP Grant
	$ 100,000	RRGL Grant
	$ 104,894	SRF Loan
TOTAL	$ 409,788	

PROJECT SUMMARY: The Town's wastewater system has the following deficiencies: no disinfection, discharge is not possible during periods of river gorging in the spring, and sludge volume of 4,000,000 gallons, which has an estimated 17% solids content. *Major elements of the project include: install an ultraviolet treatment facility, construct approximately 285' of 4" outfall pipe, and land apply dried sludge*

PROJECT STATUS: Under construction.

NAME OF RECIPIENT **Glacier County**

TYPE OF PROJECT	Bridge System Improvements	
FUNDING	$ 500,000	TSEP Grant
	$2,575,755	SAFTU Grant
TOTAL	$3,075,755	

PROJECT SUMMARY: The St. Mary's Bridge has a variety of deficiencies. *The project consists of replacing the existing bridge. The new bridge would be for vehicles only and would no longer be used by the St. Mary Canal to support the pipes.*

PROJECT STATUS: In design.

NAME OF RECIPIENT **Glasgow, City of**

TYPE OF PROJECT	Wastewater System Improvements	
FUNDING	$ 500,000	TSEP Grant
	$1,062,900	SRF Loan
	$ 45,000	Local Funds
TOTAL	$1,607,900	

PROJECT SUMMARY: The City's wastewater system has the following deficiencies: the treatment facility has reached the end of its useful life, the Department of Environmental Quality (DEQ) has issued two violation letters for failure to meet permitting requirements, ammonia discharge permit limits cannot be met in July and August, the aeration system and baffles within the treatment cells are in poor condition, numerous diffusers are inoperable, current treatment facility would not be able to meet future disinfection standards, lift station pumps are over 30 years old and have reached the end of their useful life, and no back-up source of power for the lift station, which has experienced 18 power outages. *Major elements of the project include: upgrade the existing treatment plant to a four-cell advanced aerated lagoon facility, replace the lift station pumps, rehabilitate the lift station's wet well, and install a new back-up power supply at the lift station.*

PROJECT STATUS: Design work is on hold pending resolution of the MPDES permit issues. Grantee anticipates going to bid in February 2007 with construction starting that spring.

NAME OF RECIPIENT **Havre, City of**

TYPE OF PROJECT	Water System Improvements	
FUNDING	$ 500,000	TSEP Grant
	$ 487,000	MDT Grant
	$ 140,000	SRF Loan
	$ 145,000	Local Funds
TOTAL	$1,132,500	

PROJECT SUMMARY: The City's water system in the project area has the following deficiencies: water mains are old and at the end of their service life, a 6" cast iron water main is undersized and incapable of delivering adequate fire flows, and porous, non-metallic gaskets used during the installation of the water mains increase the potential for contamination of the drinking water system from carcinogenic compounds in the soil and/or groundwater. *Major elements of the project include: replace approximately 3,900' of water main with 10" ductile iron pipe and install 20 additional fire hydrants.*

PROJECT STATUS: Under contract, working on start-up conditions. In design.

NAME OF RECIPIENT **Hill County**

TYPE OF PROJECT	Bridge System Improvements	
FUNDING	$ 450,750	TSEP Grants
	$ 189,832	Local Funds
	$ 276,016	In-kind
TOTAL	$ 901,598	

PROJECT SUMMARY: The county has three bridges (The Big Sage Bridge, The Lineweaver Bridge and Henry's Bridge) with a variety of deficiencies. *The project consists of replacing all three bridges.*

PROJECT STATUS: Henry's Bridge is under construction, and Big Sage and Lineweaver Bridges is in design.

NAME OF RECIPIENT	**Hysham, Town of**	
TYPE OF PROJECT	Water System Improvements	
FUNDING	$ 462,359	TSEP Grant
	$ 15,000	Local Funds
	$ 453,799	RD Loan
TOTAL	$ 931,158	

PROJECT SUMMARY: The Town's water system has the following deficiencies: a decline in the Yellowstone River water level has reduced the head available to drive water through the sand and gravel and into the infiltration gallery, the edge of the surface water has moved laterally away from the infiltration gallery line causing an increase in the groundwater flow path from the river to the infiltration gallery, clarification and filtration basins are showing severe signs of rust and deterioration, no check valve and foot valve in the pump station results in back flushing of filter media into the low service pump caisson, loss of filter media in the Yellowstone River, control system is antiquated and worn out, and deteriorated and undersized water mains in parts of the distribution system. *Major elements of the project include: extend the infiltration gallery further out into the river, rehabilitate the clarification and filtration basins, install check valves, and restore the supply of filter media, and replace the control system with a new supervisory control and data acquisition system.*

PROJECT STATUS: In design.

NAME OF RECIPIENT	**Laurel, City of**	
TYPE OF PROJECT	Wastewater System Improvements	
FUNDING	$ 500,000	TSEP Grant
	$ 100,000	RRGL Grant
	$ 433,000	SRF Loan
TOTAL	$1,033,000	

PROJECT SUMMARY: The City's wastewater system has the following deficiencies: increasing amounts of infiltration and inflow are impacting the capacity of sewer mains, undersized mains and root intrusion within the collection system, failure or back-up of sewer mains have led to release of raw sewage in basements and homes, the two sewage lift stations are nearing the end of their useful life, during peak flow events the plant is not able to treat to permitted effluent limits, and several areas of the treatment plant have been identified as needing upgrades in the near future to ensure continued permit compliance. *Major elements of the project include: replace about 6,500' of trunk mains with new 24", 36" and 48" diameter mains.*

PROJECT STATUS: Under construction.

NAME OF RECIPIENT	**Lewis & Clark County**	
TYPE OF PROJECT	Wastewater System Improvements	
FUNDING	$ 288,757	TSEP Grant
	$ 40,950	SRF Loan
	$ 576,048	STAG Grant
	$ 147,421	Local Funds
TOTAL	$1,053,176	

PROJECT SUMMARY: The project area has the following deficiencies: the fairgrounds lift station has served its useful life and requires extensive maintenance, alternative power sources are not available in

case of power outages at the fairgrounds lift station, one of two on-site wastewater systems at the AGC Laborer's Training Facility has failed and replacement has not been possible because of high groundwater elevations and the Woodlawn Park Addition has failing septic systems, lack of drainfield replacement areas, and unacceptable nitrate levels in the domestic water supply (groundwater). *The proposed project is the first of a two-phase project. This first phase would connect the Fairgrounds/Dunbar area to the City of Helena's wastewater system, while in the second phase, the area would be connected to the City's water system.*

PROJECT STATUS: Design is finished pending approval by the Montana Department of Transportation.

NAME OF RECIPIENT	**Libby, City of**	
TYPE OF PROJECT	Wastewater System Improvements	
FUNDING	$ 500,000	TSEP Grant
	$ 100,000	RRGL Grant
	$1,400,000	STAG Grant
	$ 500,000	WRDA Grant
	$ 79,000	SRF Loan
	$ 12,000	Local Funds
TOTAL	$2,591,000	

PROJECT SUMMARY: the Cabinet Heights area has the following problems: drainfield failures and seepage pits instead of drainfields due to small lots. *Major elements of the project include: extend a gravity collection system from the City of Libby to the Cabinet Heights area, by installing approximately 12,400' of 8" PVC pipe, construct one lift system, and abandon the existing on-site wastewater treatment and disposal system.*

PROJECT STATUS: Under contract, working on start-up conditions. Still trying to get funding package together.

NAME OF RECIPIENT	**Madison County**	
TYPE OF PROJECT	Bridge System Improvements	
FUNDING	$ 179,911	TSEP Grant
	$ 29,540	Local Funds
	$ 150,371	In-kind
TOTAL	$ 359,822	

PROJECT SUMMARY: The county has three bridges (The Noble Fork Bridge, The Lower North Meadow Creek Bridge, The Carey Lane Bridge, The Upper North meadow Creek Bridge, The Lower South Willow Bridge and The Old Stage Bridge) with a variety of deficiencies. *The project consists of replacing all six bridges.*

PROJECT STATUS: Start-up conditions have been met. Carey Lane, Old Stage Bridge & North Meadow Creek Bridge have been constructed. The remaining bridges are under construction and nearly completed.

NAME OF RECIPIENT	**Malta, City of**	
TYPE OF PROJECT	Wastewater System Improvements	
FUNDING	$ 500,000	TSEP Grant
	$ 685,000	RD Grant
	$3,606,000	RD Loan
TOTAL	$4,791,000	

PROJECT SUMMARY: The City's wastewater system has the following deficiencies: Trafton lift station piping and valves are corroded, deteriorated and/or inoperable, Trafton lift station pumps are corroded and have reached the end of their useful life, Robinson lift station air lift pumps are outdated technology and difficult to maintain, Robinson lift station valves and piping do not have a separate dry well, the

Trafton and Robinson lift stations do not have safe access for repair or maintenance, no backup power at the other four lift stations, City has had fifteen discharge permit violations of biochemical oxygen demand (BOD), total suspended solids (TSS), and fecal coliform since May 1998, system will not meet anticipated ammonia limits in the next permit, two-cell configuration limits the operational flexibility of the system and does not meet the Department of Environmental Quality (DEQ) standards of a three-cell lagoon system, significant accumulation of sludge and the sludge does not meet the Environmental Protection Agency (EPA) land application standards, no riprap is present on the majority of the dike banks, resulting in advanced erosion, existing outfall line to the Milk River has repeatedly failed due to collapsing pipe and manholes, and no service meters on the water system that can determine actual usage. *Major elements of the project include: construct a single partial-mix aerated lagoon, with storage cells, an ultraviolet disinfection system and spray irrigation, line the proposed lagoons with a synthetic PVC liner, replace the Robinson lift station, construct a new staircase at the Trafton lift station*

PROJECT STATUS: Contract has been signed, but no other start-up conditions have been met. In design with construction expected to begin in 2007.

NAME OF RECIPIENT	**Miles City, City of**	
TYPE OF PROJECT	Water System Improvements	
FUNDING	$ 500,000	TSEP Grant
	$1,967,000	SRF Loan
	$ 50,000	Local Funds
TOTAL	$2,517,000	

PROJECT SUMMARY: The City's water system in the project area has the following deficiencies: lack of redundancy, low pressures (below 35 psi) at peak demand times, due to the limited capacity (number, size and location) of existing transmission and distribution lines to and within this area, inadequate fire flows, poor water quality (stagnant water; low chlorine residual; taste, odor and appearance problems; and higher than desirable disinfection byproducts), inability to properly flush the lines to maintain water quality, corroded lines harbor bacteria, potential cross connections, periodic water outages due to repairs, and heavy turberculation in the small, unlined, cast iron 4" lines, which tend to allow biofilms to exist. *Major elements of the project include: extend the 10" Bender Park water main into the project area, connect the 14" main on North Haynes Avenue and the 10" Bender Park main with a new 12" main (approximately 5,800'), replace approximately 19,500' of 4" and 6" cast iron distribution lines with 8" lines, and install new valves, 35 fire hydrants, and service line connections between the main and the property line.*

PROJECT STATUS: Under contract, no other start-up conditions met.

NAME OF RECIPIENT	**Mineral County**	
TYPE OF PROJECT	Bridge System Improvements	
FUNDING	$ 80,090	TSEP Grant
	$ 61,946	Local Funds
	$ 18,144	In-kind
TOTAL	$ 160,180	

PROJECT SUMMARY: The Cedar Creek Bridge has a variety of deficiencies. *The project consists of replacing the bridge.*

PROJECT STATUS: Bridge has been constructed, and some minor approach roadway work is expected to be completed in spring of 2007.

NAME OF RECIPIENT	**Missoula County**	
TYPE OF PROJECT	Bridge System Improvements	
FUNDING	$ 275,172	TSEP Grant
	$ 275,172	County Local
TOTAL	$ 550,334	

PROJECT SUMMARY: The County's two bridges (La Valle Creek Bridge and Finley Creek Bridge) have a variety of deficiencies. *The project consists of replacing both bridges*

PROJECT STATUS: Under contract and working on start-up conditions. Design in progress and construction will start spring 2007.

NAME OF RECIPIENT	**Powell County**	
TYPE OF PROJECT	Bridge System Improvements	
FUNDING	$ 158,348	TSEP Grant
	$ 91,379	County Local
	$ 66,969	County In-kind
TOTAL	$ 316,696	

PROJECT SUMMARY: The County's three bridges (The West River Road Bridge, The Freeze Out Lane Bridge, and The Cutoff Road Bridge) have a variety of deficiencies: *The project consisted of replacing all three bridges*

NAME OF RECIPIENT	**Ranch County Water District**	
TYPE OF PROJECT	Water System Improvements	
FUNDING	$ 500,000	TSEP Grant.
	$ 10,000	County Funds
	$ 120,500	CDBG Grant
	$ 9,000	Ranch
	$ 100,000	RRGL Grant
	$ 650,000	RD Loan
TOTAL	$1,389,500	

PROJECT SUMMARY: The District's water system has the following deficiencies: wells do not meet design flows with the largest well out of service, substandard well construction, inadequate chlorine contact time and chlorination system housing, deterioration of wooden portion of storage tank, inadequate water pressure, distribution lines are not sized for fire flows, distribution lines are not looped, and no water meters. *Major elements of the project include: a new well, a 150,000 gallon storage tank, a new pump house/chlorination facility, a new distribution network consisting of about 7,000' of 8" pipe, twelve fire hydrants, and thirty service meters.*

PROJECT STATUS: In design.

NAME OF RECIPIENT	**Richland County**	
TYPE OF PROJECT	Bridge System Improvements	
FUNDING	$ 453,841	TSEP Grant
	$ 122,479	Local Funds
	$ 331,362	In-kind
TOTAL	$ 907,682	

PROJECT SUMMARY: The County has four bridges (The 4th Street Bridge, The Miller Bridge, The Fox Creek Road Bridge and The Vaira Bridge) with the following deficiencies: *The project consists of replacing all four bridges.*

PROJECT STATUS: Under contract and start-up conditions are nearly complete. Construction on the Fox Creek Road bridge is nearly done and was paid for by county funds. Design is being completed on the 4th Street, Miller, and Vaira bridges with construction beginning in spring 2007.

NAME OF RECIPIENT	**Rudyard County Water and Sewer District**	
TYPE OF PROJECT	Wastewater System Improvements	
FUNDING	$ 524,503	TSEP Grant

	$ 344,400	CDBG Grant
	$ 15,000	Local Funds
TOTAL	$ 883,903	

PROJECT SUMMARY: The District's wastewater system has the following deficiencies: undersized 6" clay tile mains are clogged with roots, many of the mains are installed at slopes below the minimum, cracked and broken pipe, 25 to 30 backups into private residences per year over the last five years, lift station is outdated and lacks an alarm system, backup power or pumping ability, force main does not discharge to an inlet control structure, no perimeter fencing or warning signs exist around the lagoon site, and minor erosion of embankments. *The project consisted of replacing approximately 6,725' of existing 6" clay tile lines with 8" PVC lines, installing approximately 23 new manholes, replacing the existing lift station with a new submersible package station, purchasing a portable pump for emergency use, and installing a new 4" ductile iron force main between the lift station and treatment cells #1 and #2.*

NAME OF RECIPIENT Seeley Lake Sewer District

TYPE OF PROJECT	New Wastewater System	
FUNDING	$ 500,000	TSEP Grant-District
	$ 750,000	TSEP Grant-County
	$ 100,000	RRGL Grant
	$ 305,000	CDBG Grant
	$1,750,000	STAG Grant
	$1,443,000	WRDA Grant
	$ 262,000	RD Loan
TOTAL	$5,110,000	

PROJECT SUMMARY: The lack of a centralized wastewater system in Seeley Lake has resulted in the following problems: elevated nitrate levels in the groundwater in the areas of high density, increased algae concentrations and turbidity in Seeley Lake, elevated nitrates, phosphorus and fecal coliforms in the groundwater downgradient of the community, and increased nutrient loads facilitate eutrophication of the lake and increases water quality degradation. *Major elements of the project include: construct a new centralized wastewater collection and treatment system that would serve that portion of the District with the highest density. The proposed treatment system is an aerated lagoon with a storage cell and discharge using spray irrigation in the summer months in the adjacent forest.*

PROJECT STATUS: No start-up conditions have been met. Seeking funding.

NAME OF RECIPIENT Sheridan, Town of

TYPE OF PROJECT	Water System Improvements	
FUNDING	$ 500,000	TSEP Grant
	$ 100,000	RRGL Grant
	$ 500,000	CDBG Grant
	$ 500,000	STAG Grant
	$ 7,500	Local Funds
	$ 461,400	SRF Loan
TOTAL	$2,068,900	

PROJECT SUMMARY: The Town's water system has the following deficiencies: inadequate water supply, water mains are old and undersized, and are not capable of providing minimum recommended fire flows, some of the hydrants are inoperable, leak excessively, or are undersized, distribution lines leak, with 44 repairs over the past two years, concrete storage tank roof is deteriorated, concrete storage tank leaks, coating on steel storage tank is worn and deteriorated, and well field is rated a "high hazard" by the Department of Environmental Quality for agricultural contaminants and hazardous materials. *Major elements of the project include: install approximately 4,600' of 8" PVC and 8,000' of 6" PVC mains, install approximately 19 new fire hydrants, drain and inspect, and clean both storage tanks, grout as necessary, and re-coat surfaces, replace roof structure of the concrete tank, install service meters on nine high volume users, and drill a test well to determine the feasibility of developing another water source.*

PROJECT STATUS: Under contract, working on start-up conditions. Plan to begin construction in 2007.

NAME OF RECIPIENT **Spring Meadows County Water District**

TYPE OF PROJECT	Water System Improvements	
FUNDING	$ 487,500	TSEP Grant
	$ 100,000	RRGL Grant
	$ 472,835	SRF Loan
	$ 50,000	Local Funds
TOTAL	$1,110,335	

PROJECT SUMMARY: The District's water system has the following deficiencies: peak demand cannot be met with the two wells, there is no storage to provide fire protection or adequate water quantity to maintain water pressures during the irrigation season, well #2 pumps an excessive amount of sand into the distribution system, preventing the use of water meters, stagnant conditions exist and sand accumulates at two dead-end mains, very low pressures are regularly experienced during the irrigation season and the potential for negative pressures is high, and some individuals use booster pumps, which are illegal and create a high potential for backflow. *Major elements of the project include: install approximately 65 service meters for all users, construct a 150,000 gallon concrete storage tank and a booster pump station, replace well #2 with a new well, add four fire hydrants, eliminate two dead ends, and construct an administrative building.*

PROJECT STATUS: Project bid out, but all bids received were over budget, will re-bid with a new tank design.

NAME OF RECIPIENT **St. Ignatius, Town of**

TYPE OF PROJECT	Wastewater System Improvements	
FUNDING	$ 500,000	TSEP Grant
	$1,464,000	RD Loan
	$1,145,000	RD Grant
	$ 500,000	CDBG Grant
	$ 100,000	RRGL Grant
	$ 750,000	STAG Grant
TOTAL	$4,459,000	

PROJECT SUMMARY: The Town's wastewater system has the following deficiencies: eleven BOD and TSS violations since 1998, the lagoon leaks over four times the state design standard resulting in degradation to groundwater and nearby surface water and wells, the single-cell facultative lagoon does not meet current state design standards requiring a minimum of two equally sized primary treatment cells and one secondary cell, the single-cell operation encourages short-circuiting across the cell resulting in poor treatment efficiency, the existing system does not meet the design standard for detention time for facultative lagoons resulting in reduced treatment efficiency, BOD loading to the existing facultative ponds exceeds the state design standard resulting in poor treatment efficiency and possibly odor problems, the system fails to meet the discharge limit for fecal coliform colonies in the discharged effluent, the discharge is resulting in ammonia toxicity in the receiving water, and there is inflow from manholes and roof drains at the school during runoff or storm events. *Major elements of the project include: construct an aerated lagoon system, construct a storage lagoon inside the existing facultative lagoon footprint, install a liner in each of the lagoon cells, install an ultraviolet light disinfection system, construct about 15,000' of 8" gravity main to transmit treated effluent to the irrigation site, install three effluent irrigation pivots, and install sealed manhole covers.*

PROJECT STATUS: Plan to begin construction in 2007.

NAME OF RECIPIENT **Stillwater County**

TYPE OF PROJECT	Bridge System Improvements	
FUNDING	$ 399,853	TSEP Grant

	$ 285,000	Local Funds
	$ 114,853	In-kind
TOTAL	$ 799,706	

PROJECT SUMMARY: The County's seven bridges (The Orser Bridge, The Fireman's Point Bridge, The Lover's Lane Bridge, The Jackstone Bridge, The Centennial Bridge, The Svenson Bridge and The Weppler Bridge) have a variety of deficiencies: *The project consists of replacing all seven bridges.*

PROJECT STATUS: Fireman's Point and Centennial Bridges are under construction, with the others in design.

NAME OF RECIPIENT Sweet Grass County

TYPE OF PROJECT	Bridge System Improvements	
FUNDING	$ 144,989	TSEP Grant
	$ 65,736	Local Funds
	$ 79,253	In-kind
TOTAL	$ 289,978	

PROJECT SUMMARY: The County's three bridges (The Yellowstone Trail Bridges: YT391 and YT536, and The Wheeler Creek Road Bridge) have a variety of deficiencies. *The project consists of replacing all three bridges.*

PROJECT STATUS: In design. Culvert purchased for Yellowstone Trail Bridge.

NAME OF RECIPIENT Upper-Lower River Road Water and Sewer District

TYPE OF PROJECT	Water/Wastewater System	
FUNDING	$ 500,000	TSEP Grant
	$ 100,000	RRGL Grant
	$ 332,000	CDBG Grant
	$1,318,000	STAG Grant
	$ 657,700	SRF Loan
TOTAL	$2,907,700	

PROJECT SUMMARY: The lack of a centralized water and wastewater system in the project area is creating the following problems: on-site wastewater systems in the area are causing high levels of nitrate and ammonia in the drinking water wells, and area wells are naturally high in iron, sodium, sulfate and total dissolved solids. This is the second phase of a multi-phased project. *Major elements of the project include: install approximately 9,300' of 8" PVC sewer main and 4,950' of 4" and 6" service line, install approximately 8,400' of 8" PVC water main and 5,380' of ¾" service line, install approximately 115 service meters, and install 21 fire hydrants.*

PROJECT STATUS: Under contract, completing start-up requirements.

NAME OF RECIPIENT Valier, Town of

TYPE OF PROJECT	Wastewater System Improvements	
FUNDING	$ 500,000	TSEP Grant
	$ 100,000	RRGL Grant
	$ 600,000	SRF Loan
TOTAL	$1,200,000	

PROJECT SUMMARY: The Town's wastewater system has the following deficiencies: aging and deteriorating collection system, continual plugging problems caused by roots and mineral deposits, joints are not intact and are susceptible to infiltration or exfiltration, and raw sewage can potentially leak into the groundwater. *Major elements of the project include: replace or rehabilitate approximately 6,000' of clay piping by sliplining as much as possible or replacing clay tile with PVC. Replace or rehabilitate 17*

manholes. The specific type of material to be used for sliplining would be determined during the design phase.

PROJECT STATUS: Under construction with completion expected in 2007.

NAME OF RECIPIENT Whitefish, City of

TYPE OF PROJECT	Water System Improvements	
FUNDING	$ 457,500	TSEP Grant
	$ 100,000	RRGL Grant
	$ 357,500	SRF Loan
TOTAL	$ 915,000	

PROJECT SUMMARY: The City's water system has the following deficiencies: two old and undersized water mains that lie under the railroad yard, one of which is unlined, that serve the south portion of the city, causes severe access restrictions for maintenance, frequent leakage problems with Texas Avenue pipe, diesel contamination of soils and groundwater in the vicinity of the Texas Avenue water main could potentially result in contamination of the city's drinking water, and if the Texas Avenue main were to fail, water modeling indicates that negative or very low pressures would occur in the southern portion of the system during fire flow events. This could cause contamination of the water system from backflow. *Major elements of the project include: replace the old 12" Texas Avenue water main with approximately 650' of 18" main.*

PROJECT STATUS: Under contract, working on start-up conditions. In design.

NAME OF RECIPIENT Woods Bay Homesites Lake County Water and Sewer District

TYPE OF PROJECT	Water System Improvements	
FUNDING	$ 500,000	TSEP Grant
	$ 443,100	RD Loan
	$ 225,000	RD Grant
	$ 100,000	RRGL Grant
TOTAL	$1,268,100	

PROJECT SUMMARY: The District's water system has the following deficiencies: booster station and well pumphouse do not have backup pumps in violation of the Department of Environmental Quality (DEQ) 1 standards, well pumphouse's access, fire protection, and above ground construction do not meet the DEQ 1 standards, undersized and leaking distribution lines, which result in low water supply and pressure, dead-end distribution mains, inadequate storage facility capacity for fire flows, portions of the system operate at less than the DEQ minimum working pressure of 35 psi, lack of storage facility security, lack of service meters, and lack of fire hydrants. *Major elements of the project include: install approximately 2,400' of 6" PVC and 10,500' of 8" PVC water main, install approximately 99 service connections and meters, install approximately 14 fire hydrants, upgrade pumphouses, and connect to the adjacent water district's (Sheaver's Creek) water system at two points with 8" PVC main, which would allow access to the 140,000 gallon storage tank that is to be constructed in the adjacent district.*

PROJECT STATUS: Under contract, no other start-up requirements met.

NAME OF RECIPIENT Yellowstone County

TYPE OF PROJECT	Bridge System Improvements	
FUNDING	$ 187,800	TSEP Grant
	$ 187,800	County Local
TOTAL	$ 375,600	

PROJECT SUMMARY: The Five-Mile Creek Bridge has a variety of deficiencies. *The project consists of replacing the existing bridge.*

PROJECT STATUS: Bridge is under construction with substantial completion anticipated in spring of 2007.